

**List of VM Consolidated documents of Dr.  
S. K. Kapoor**

List 4 Manuscript – 2

Transcendental content

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**Transcendental content**

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**Transcendental content**  
(Divya dravya)  
(दिव्य द्रव्य)

**Section-1**  
**Transcendental content**

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## Transcendental content (Divya dravya) (दिव्य द्रव्य)

### 1 Vedic knowledge

Vedic knowledge is in a dormant state. To bring it in a blissful lively state, we have to learn and teach Vedic Mathematics science and technology.

### 2 Transcendental content

The inner evidence of available vedic literature brings to focus that Vedic Systems chase along Sathapatya measuring rod 'Existence phenomenon Reality' as of features, values and format of Divya Dravya (दिव्य द्रव्य) / transcendental content (5-space content) being the Aksh Tattav (आकाश तत्त्व) / space element.

### 3 Sathapatya measuring rod

Sathapatya measuring rod is a synthetic set up of hyper cubes 1 to 6, the representative regular bodies of 1 to 6-space within Creator space (4-space).

### 4 Creator's space

Vedic systems accept 4-space within a dimensional frame of quadruple spatial dimensions being the creator's space.

Creator's space is presided by lord Brahma, Creator, the supreme and the manifestation format of creator's space is of format features and values parallel to the format features and values of Idol of lord Brahma.



Scriptures format 'features and values' of lord Brahma as four head lord, equipped with a pair of eyes in each head, sits gracefully upon lotus seat of eight petals and blissfully mediates within cavity of his own heart at transcendental seat of transcendental lord Shiv and is blessed with the transcendental grace, as a result of which lord Brahma multiplies as ten Brahmas in shiv lok (transcendental world of 5-space).



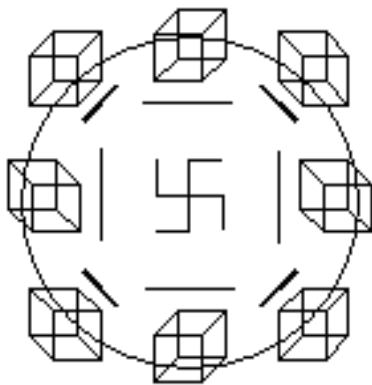
Parallel to this format 'features and values' of idol of lord brahma are the format features and values of hyper cube 4, the representative regular body of 4-space, as a four folds manifestation layer (2, 3, 4, 5) /

(2-space as dimensional fold parallel to pair of eyes in each head of lord Brahma,

3-space as solid boundary of eight Components parallel to lotus seat of eight petals,

4-space as domain fold parallel to the functional domain of 4 head lord brahma, and

5-space as transcendental origin of 4-space parallel to the transcendental seat within the cavity of heart of lord Brahma.



Hyper cube 4

This transcendental phenomenon of lord Brahma, being blessed with the transcendental grace and as a result lord Brahma multiplying as ten Brahmas in Shiv Lok (transcendental world of 5-space), is the phenomenon

of transcendental content of Shiv lok (transcendental world).

## 5 Transcendental World

Sadhakas (students), fulfilled with intensity of urge to be parallel with the vedic systems, go parallel to the format features and values of transcendental content, manifesting as domain fold of hyper cube 5, the representative regular body of 5-space in creator's space (4-space)



## 6 Hyper cube 5

Hyper cube 5 is the representative regular body of 5-space in 4-space.

Hyper cube 5 is a four folds manifestation layer (3, 4, 5, 6) /

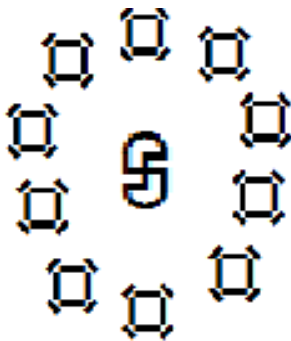
3-space as dimension fold, parallel to 3 eyes in each of five heads of transcendental lord Shiv,

4-space is in the role of creative boundary of ten Components, parallel

to ten long hands of transcendental lord Shiv, [8 3, 4, 5 & 6-space initiation exposure](#)

5-space is in the role of transcendental domain of 5 head lord Shiv and

6-space is the self referral origin of 5-space parallel to self referral seat of lord Vishnu, the presiding deity of 6-space, within the cavity of heart of transcendental lord Shiv.



Hyper cube 5

### 7 Initiation exposure

Sadhakas (student scholars) fulfilled with intensity of urge to be parallel with the vedic systems may follow ‘learn and teach methodology’, and for it to have an initiation exposure in a phased manner parallel to quadruple folds of hyper cube 5 to glimpse and imbibe values features and format of 3-space, 4-space, 5-space & 6-space formats for 3-space mathematics, 4-space mathematics, 5-space mathematics & 6-space mathematics as foundation for 3-space, 4-space, 5-space & 6-space Vedic Mathematics Science & Technology (VMS&T).

The Section 2 of this book is the initiation exposure of 3, 4, 5, & 6-space as of level of High and High Secondary classes.

High and higher secondary level schooling is of four years graded duration. Teaching of Values of VMS&T, as such is parallely phased sequential focus, over four years duration remains upon 3-space, 4-space, 5-space and 6-space VMS & T values respectively.

This initiation exposure for VMS&T Teachers has been designed for one year duration is phased as four quarters Course, with each quarter devoted to one specific year of schooling of the Discipline of VMS & T. First quarter is to be devoted to the teaching values of 3-space. Second quarter will be all about teaching values of 4-space. Likewise, third & fourth quarters respectively are going to be devoted to 5-space and 6-space in sequential continuity of 3-space and 4-space.

Vedic Mathematics, Science & Technology (VMS & T) is an Ancient Discipline of Knowledge, it has its own inherent organization format, as well as the unfolding process. However, in the

present initiation, it has been attempted to put it in present day communication terminology. It is this aspect, which that way, becomes the first point of attention of which one is to be conscious at the outset itself. With it, naturally, the importance of ‘Conceptual & Technical Terms’ comes to forefront. This being so, from Day 1 one shall start compiling One’s Own Dictionary of Conceptual and Technical Terms of VMS & T.

Further, it would be advisable that one shall have a separate Sections respectively for 3-space, 4-space, 5-space and 6-space VMS & T.

Still further, One’s VMS & T Dictionary shall also have a Section for tabulation of values of Art of Teaching VMS & T.

### 9 Further exposure

For further advanced exposure one is to be parallel to Vedic processing systems.

Established Vedic processing system is of two folds, namely Sankhiya Nishta (सौख्या निष्ठा) / number values and yoga Nishta (योग निष्ठा) / geometric formats.

Sankhiya Nishta (सौख्या निष्ठा) presumes the existence of geometric format and processes artifices of numbers as values along geometric formats.

Yoga Nishta (योग निष्ठा) presumes the existence of artifices of numbers and processes geometric formats within dimensional frames parallel to artifices of numbers as values.

Sankhiya nishta and yoga nishta processing systems run parallel and complement & supplement each other, along Sathapatya measuring rod, a synthetic set up of hyper cubes 1 to 6, the representative regular bodies of 1 to 6-space in 4-space:







S. No	Symbols	Name	Space body
1		Interval	1-space body
2		Square	2-space body
3		Cube	3-space body
4		Hyper cube 4	4-space body
5		Hyper cube 5	5-space body
6		Hyper cube 6	6-space body

Table 1







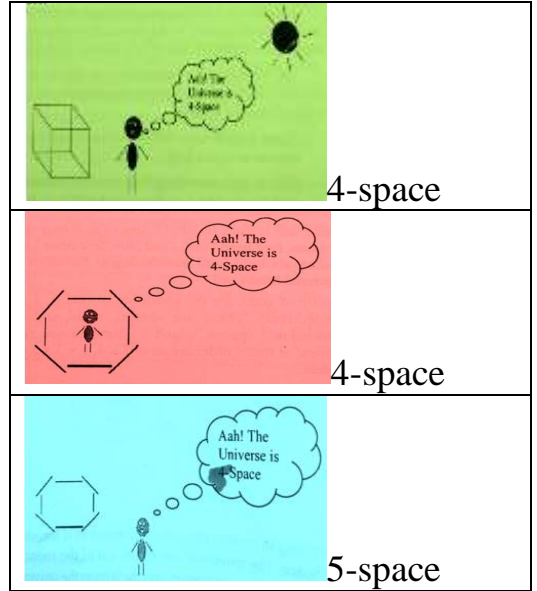
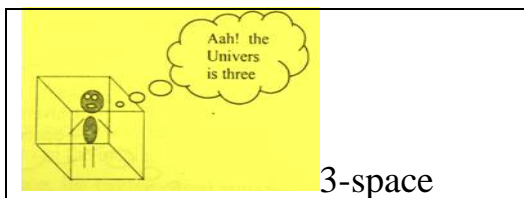
Hyper cubes	Symbol	Form
H-1		$A^1:2B^0$
H-2		$A^2:4B^1$
H-3		$A^3:6B^2$
H-4		$A^4:8B^3$
H-5		$A^5:10B^4$
H-6		$A^6:12B^5$

Table-2

One shall perfect one's intelligence by having comprehension of existence of real 4, 5 & 6-spaces. One shall melt one's mental state of 3-space reality by dissolving the conditioning of spatial boundary of cube / 3-space body. The following depiction of sequential mental states of 3-space & 4-space may help one to evaluate one's own mental states regarding the reality of 4-space & 5-space, and ahead of 6-space.



**10 Formulations:**

In the background of exposure to geometric formats, one is to be face to face with the artifices of numbers values.

**Word formulations**

Word formulation availing Devnagri Alphabet letters carry along their placement values designated as transcendental code values. Parallel to these transcendental code values of letters for their geometric formats.

Devnagri alphabet format

**Devnagri Varanmala**

देवनागरी वर्णमाला

$(41+36) = 77$

$(206+77) = 283$

Nine vowels

अ इ उ ऋ लृ ए ओ ऐ औ  
1 2 3 4 5 6 7 8 9

5 x 5 Varga consonants

क ख ग घ ङ 1 2 3 4 5

## Transcendental content

च	छ	ज	झ	ञ	2	3	4	5	6
ट	ठ	ड	ढ	ण	3	4	5	6	7
त	थ	द	ध	न	4	5	6	7	8
प	फ	ब	भ	म	5	6	7	8	9

**Anthstha letters:**

य र ल व 1 3 5 7

**Ushmana letters:**

श स ष ह 2 3 6 9

Vowels TCV value 1 to 9 lead to formulations as under:

Vowel	TCV	Trans	Form	TCV formulation
अ	1	3	एक	8
इ	2	0	द्वय	16
उ	3	-3	त्रय	8
ऋ	4	0	चतुर्	12
ॠ	5	15	पञ्च	15
ए	6	48	षष्ट्	10
ओ	7	105	सप्त	14
ऐ	8	192	अष्ट	11
औ	9	945	नव	17

frequencies, one is to comprehend and imbibe (i) transcendental code values of individual letters, and (ii) trans through vowels for reach at trans values of syllables.

Shiv shastarnama stotram is a scripture of one thousand transcendental formulations. Sadhakas fulfilled with intensity of urge to acquire proper insight and to attain appropriate enlightenment about the transcendental content manifesting as transcendental domain of hyper cube 5, the representative regular body of 5-space in 4-space and making the domain of Transcendental Reality of our Existence Phenomenon within solar universe shall approach these one thousands transcendental formulations of Shiv Shasartanam Stotram for their transcendental code values as well as for their Trans values.

As an illustrative chase, here are being taken formulations (i) Divya (दिव्य), (ii) Darvya (द्रव्य) and (iii) Atma (आत्मा).

**दिव्य**

Letters = 5, TCV = 17  
syllables = 2, Trans = 30  
formulation value = 56

Interms of these transcendental code values, maheshwara sutras organize Vedangas and as a result, the geometric formats along with parallel values of numbers make unison with the sound and light frequencies.

For to be face to face with this unison phenomenon of values of numbers, geometric formats, sound and light

Letter	ऋ	ॠ	वृ	यृ	अ
TCV	6	2	7	1	1
Formulation	10	16	14	8	8



tabulation of these values and to imbibe the bliss of this reach:

Syllables	दि	व्य
Trans	0	30

**द्रव्य**

letters = 5, TCV = 17  
 syllables = 2, Trans = 51  
 formulation value = 56

Letter	द्र	-	अ	व्	य्	अ
TCV	6	1	1	7	1	1
Form	10	8	8	14	8	8

Syllables	द्र	व्य
Trans	21	30

**आत्मा**

Letters = 4, TCV = 17  
 Syllables = 2, Trans = 70  
 formulation value = 61

Letter	आ	व्	म्	आ
TCV	2	4	9	2
Form	16	12	17	16

Syllables	आ	त्मा
Trans	5	65

The TCV values together with the formulations values for the letters of Maheshwara sutras makes a summation value 985 which is parallel to the domain split spectrum of 8<sup>th</sup> split phase. One shall revisit the following

First table is of TCV value of leading to summation 283 while the second table is of formulation values leading to summation value 712 making grand total value 283+712 = 985

Table 1

Sutra	TCV value	Total	Grand total
अ इ उ ण्	(1, 2, 3) (7)	13	13
ऋ लृ क्	(4, 5) (5)	14	27
ए ओ झ्.	(6, 7) 5	18	45
ऐ औ च्	(8, 9) (2)	19	64
ह य व र ट	(9, 1, 7, 3) (3)	23	87
ल ण्	(5) (7)	12	99
ज म ङ ण न म्	(6, 9, 5, 7, 8) (9)	44	143
झ भ ञ	(5, 8) (6)	19	162
घ ढ ध ष्	(4, 6, 7) (6)	23	185
ज ब ग ड द श्	(4, 7, 3, 5, 6) (2)	27	212
ख फ छ ठ थ च ट त व्	(2, 6, 3, 4, 5, 2, 3, 4) (7)	36	248
क प य	(1, 5) (1)	7	255
श ष स र	(2, 6, 3) (3)	14	269
ह ल्	(9) (5)	14	283

Table -2

Sutra	Formulation value	Total	Grand total
अ इ उ ण्	8+16+8+14	46	46
ऋ लृ क्	12+15+15	42	88*
ए ओ झ्.	10+14+15	39	127
ऐ औ च्	11+17+16	44	171
ह य व र ट	17+8+14+8+8	55	236
ल ण्	15+14	29	255
ज म ङ ण न म्	15+10+14+11+17+17	84	339
झ भ ञ	15+11+10	36	375
घ ढ ध ष्	12+10+14+10	46	421
ज ब ग ड द श्	8+12+15+10+14+16	75	496
ख फ छ ठ	16+8+12+15+	111	607

## Transcendental content

थ च ट त व्	10+16+8+ 12+14		
क प य	8+15+8+	31	638
श ष स र	16+8+10+8	42	680
ह ल्	17+15	32	712

It will be blissful to revisit trans through nine vowels and to imbibe the summation value of Trans of first four vowels as zero, from 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> vowel of summation value of 168, parallel to the 168 primes range of values 1 to 1000 and ahead the summation value of Trans through 8<sup>th</sup> and 9<sup>th</sup> vowel together as 1137 parallel to the total branches of Rig ved (21), Yajur Ved (101), Sam Ved (1000) and Athrav Ved (15).

अ	1	-	-	-	3	<b>0</b>
इ	2	0	-	-	0	
उ	3	1	-	-	-3	
ऋ	4	2	0	-	0	
वृ	5	3	1	-	15	<b>168</b>
ए	6	4	2	-	48	
ओ	7	5	3	-	105	
ऐ	8	6	4	-	192	<b>1137</b>
औ	9	7	5	3	945	

One shall perfect one's intelligence and for it, initially one shall be through the initiation exposure of 3-space, 4-space,

5-space & 6-space format values features and to be parallel with transcendental content manifesting as hyper cube 5 format within creator's space leading to distinct generic counts for quadruple folds of hyper cube 5. The dimensional fold role of 3-space leads to linear unit, boundary fold role of 4-space leads to spatial counts, domain fold role of 5-space leads to solid counts and the origin fold role of 4-space leads to creative (hyper) counts.

### Senior Sadhakas

With values of initial exposure of 3-space, 4-space, 5-space & 6-space, sadhakas fulfilled with intensity of urge to be parallel with vedic systems, shall approach senior sadhakas for enlightenment of home of lord Brahma and vidaya dhari (विद्या धरी) in shila (शिला) preserved in Yogavasistha purana and further the enlightenment of mayor shikha (मयूर शिखा) and naga mani (नाग मणि) as features and values of ganita murdhani (गणित मूर्धनि) and jyotish murdhani (ज्योतिष मूर्धनि) preserved in lagad jyotish vedanga.

One shall sit comfortably and to permit the transcending mind to glimpse and imbibe the vedic systems of reach at the transcendental code values, and trans through the vowels leading to basis base of organization of vedic knowledge.

## (मयूर शिखा)

Syllable	म	यू	र	शि	खा
TCV	10	7	4	4	4

$$\text{TCV (मयूर शिखा)} = 29$$

## (ब्रह्मा)

Syllable	ब्र	ह्मा
TCV	9	20

$$\text{TCV (ब्रह्मा)} = 29$$

## (नाग मणि)

Syllable	ना	ग	म	णि
TCV	10	4	10	9

$$\text{TCV (नाग मणि)} = 33$$

## (विद्या धरी)

Syllable	वि	द्या	ध	री
TCV	9	9	8	7

$$\text{TCV (विद्या धरी)} = 33$$

It would be blissful to take note that (i)  $\text{TCV (ब्रह्मा)} = \text{TCV (मयूर शिखा)} = 29$ , (ii)  $\text{TCV (विद्या धरी)} = \text{TCV (नाग मणि)} = 33$ , it will further be blissful to take note that value range 1 to 18 leads to 33 factors.

N	F	TF	GTF
1	1	1	1
2	2	1	2
3	3	1	3
4	2x2	2	5
5	5	1	6
6	2x3	2	8
7	7	1	9
8	2x2x2	3	12
9	3x3	2	14
10	2x5	2	16
11	11	1	17
12	2x2x3	3	20
13	13	1	21
14	2x7	2	23
15	3x5	2	25
16	2x2x2x2	4	29
17	17	1	30
18	2x3x3	3	33

N = Number, F= Factor, FT = Total Factor, GTF = Grand Total Factor

■

## Transcendental content

### Section-2 3-space

1. Cube: The Representative Regular Body Of 3-Space (Lessons 1 To 4) ■
2. Linear Axis With Spatial Base (Lessons 5 To 8)
3. Internal structural chase of cube (lessons 9 to 12)
4. Spatial boundary & creative origin features of 3-space bodies (lessons 13 to 16)
5. Transcendental base for outward and inward 4-space (lessons 17 to 20)
6. Cube sequence (lessons 21 to 24)
7. 9<sup>th</sup> Sub Cube, 65<sup>th</sup> Sub-Sub Cube (Lessons 25 To 28)
8. Transcendence ranges and domain split spectrum (29-32)
9. Structured Points (33-36)
10. Diagonals as translation paths for dimensional frames imbedded in corner points of cube (lessons 37 to 40)
11. 3-space & 3-space contents (41 to 44)
12. Enlightened Mind and Innocent Mind
13. 3-space mathematics and figures
14. Teaching Focus
15. Vishwa-Rup
16. Unified Format
17. Ganita Sutra 1
18. Ganita Sutra 1 and Ganita Upsutra 1
19. Teaching On First Principle
20. Basic Operation
21. Vertical and Crosswise Format
22. Learning while teaching
23. Number Values 1 To 100
24. Space Content Ranges
25. Triloki and Trimurti
26. 7-Space
27. Technological Tools
28. Conceptual Terms
29. Formulation and Nvf Values
30. Organization Values
31. Dynamic State Solids Within 3-Space

**3-SPACE**

**1 Page 16**

Cube: The Representative Regular Body Of 3-Space (Lessons 1 To 4)

1. Cube
2. Seven versions of cube
3. Eight octaves
4. Three dimensional frame

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Linear Axis With Spatial Base (Lessons 5 To 8)

5. Of linear and spatial dimensions
6. Dimensional frame split
7. Quadruple internal diagonals
8. Synthesis of half dimensional frames

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Internal structural chase of cube (lessons 9 to 12)

9. Ten directional frame
10. Ninth sub cube
11. Cube as hyper cube 3
12. Linear dimensional order

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Spatial boundary & creative origin features of 3-space bodies (lessons 13 to 16)

13. Spatial boundary
14. Solid domain
15. Creative origin
16. Sealed origin

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Transcendental base for outward and inward 4-space (lessons 17 to 20)

17. Transcendental base

18. Six place value system
19. 5x7 grid
20. Outer and inward four spaces

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Cube sequence (lessons 21 to 24)

21. Interval, Square and cube formats.
22. Single, double and triple digits numbers
23. Cubes sequence ( $1^3, 2^3, 3^3, 4^3 \dots$ ).
24. Synthesis of cubes as sub cubes.

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9<sup>th</sup> Sub Cube, 65<sup>th</sup> Sub-Sub Cube (Lessons 25 To 28)

25. Ninth sub cube, sixty-fifth sub-sub cube, ...
26. Right angle triangle (3, 4, 5, 6).
27. Perfect numbers (6, 28, 496, 8128).
28. Difference values sequence of linear and spatial dimensional synthesis values.

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Transcendence ranges and domain split spectrum (29-32)

29. Transcendence ranges synthesis values sequence ( $\dots, -35, -24, -13, -2, 9, 20, 31, 42, 53 \dots$ ).
30. 3-space domain split during transcendence during domain.
31. Cube
32. Interval, Square and cube.

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Structured Points (33-36)

33. Points of interval, square and cube

## Transcendental content

- 34. Concept of structured point
- 35. Dual status of centre of a cube
- 36. Synthesis of 2, 4 & 8 cubes/  
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### Diagonals as translation paths for dimensional frames imbedded in corner points of cube (lessons 37 to 40)

- 37. Diagonals as translation paths for  
dimensional frames imbedded in  
corner points of cube
- 38. Synthesis of 2, 3 & 4 squares/  
quarter squares of a square
- 39. Triloki
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- 43. Transition gaps values sequences of  
Linear order and spatial order  
synthesis values
- 44. Linear order and its negative linear  
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- 45. Interaction Of Enlighten Mind With  
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Enlightenment Mind To Innocent  
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rule:  
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- 69. Ganita Sutra 1 and Ganita Upsutra 1
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- 71. Ganita Sutra 2 and Ganita Upsutra 1
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- 73. Ganita Sutra 1 and Ganita Upsutra 1
- 74. Source Sutras and Source Upsutras
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- 76. Practical demonstration exercises of working rule of Ganita Sutra

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- 77. Basic operation
- 78. Shift from base to index
- 79. Transformation of nine numerals of ten place value system
- 80. Tabulation of double digit numbers of different place values systems

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- 81. Vertical and crosswise format
- 82. Split of square values
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- 85. Learning while teaching
- 86. Recapitulate what has been learnt up-till class 8
- 87. Ganita sutra steps of arithmetic operations

- 88. Square and square roots

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- 89. Number values 1 to 100
- 90. Number values 1 to 1000
- 91. General
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- 121. Sixty three & sixty two folds
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1

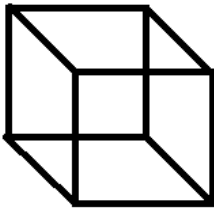
**CUBE: THE REPRESENTATIVE  
REGULAR BODY OF 3-SPACE**

This day the course focus is upon ‘Cube, the Representative regular body of 3-space’. It four folds aspects being taken up are as follows:

1. Cube
2. Seven versions of cube
3. Eight octaves
4. Three dimensional frame

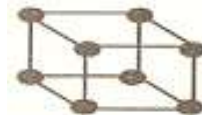
The values being covered are to be taught as lessons numbers 1 to 4 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-1  
CUBE**



1. Let us visit and revisit the ‘cube’.
2. Let us visit and revisit the cube to have a glimpse of its structural set up.
3. It brings us face to face with ‘volume’ being within a geometric envelop.
4. The geometric envelop of the volume is stitched by
  - (i) 8 corner points
  - (ii) 12 edges, and
  - (iii) 6 surfaces
5. This set up of ‘8 corner points, 12 edges and 6 surfaces’, together make a structural set up of triple features, namely of ‘points, lines and surfaces’.
6. Let us visit and revisit ‘point, line and surface’.

7. ‘Surface’ is of features of ‘length and breadth’.
8. Here, in case of ‘surface’, third axis is not play its role.
9. It may be taken as that surface has a pair of axis.
10. Simultaneously it may be view as that here, third axis, namely height is missing.
11. This may be taken as that here there is presence of a pair of axis while there is an absence of one axis.
12. The same may be express as ‘+2, -1’ as that there is a presence of 2 axes and also simultaneously, there is an absence of 1 axis.
13. Now let us visit ‘line’.
14. It has length, while area and volume are missing.
15. It is so, as here there is a presence of one axis and there is an absence of 2 Axis.
16. It would permit expression as ‘+1, -2’.
17. Now let us visit a ‘point’.
18. Here, ‘Length, Breadth, Volume’ are missing.
19. In the set up of a point, neither of the 3 axes is playing its role.
20. As such, point permits expression as ‘0, -3’.
21. One may have a pause here and take note that, ‘volume’ is the set up where all the 3 axes are playing their roles.
22. It is accepting expression as ‘3, 0’.
23. One may have a pause here and take note that the above features also bring us face to face with the values as that the cube, with its volumes as one structural component and its



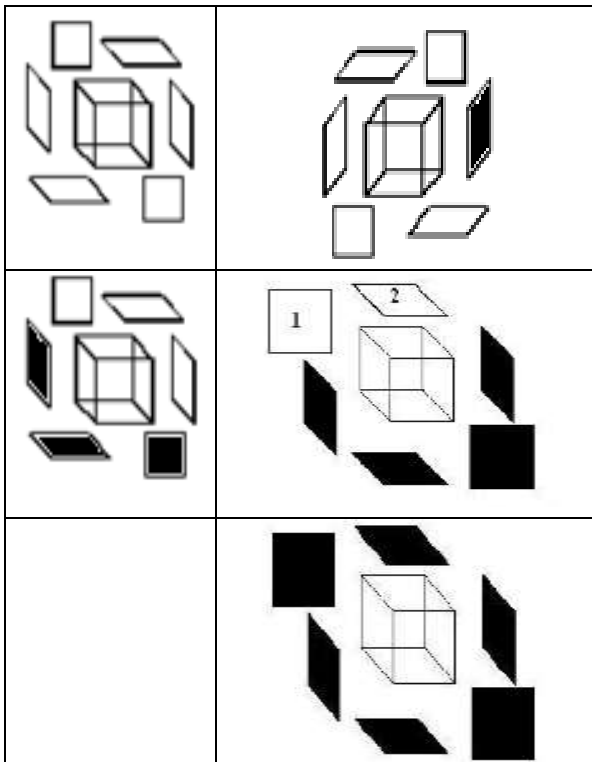
## Transcendental content

geometric enveloped being of  $(8+12+6) = 26$  structural component, together make cube as of '27' structural components.

24. These 27 structural components together with 4 structural component of a 3 dimensional frame of 3 dimensions and one origin, shall be leading us to this set up being of  $27+4 = 31$  structural components.
25. It would be blissful to take note that NVF (CUBE).
26. It would be blissful to take note that  $27 = 3^3$ , a third member of the sequence  $(1^3, 2^3, 3^3, 4^3, \dots)$ . ■

- (i) Cube with its all the six surface plate being intact.
- (ii) This version permit expression as  $6 \times 0$  to express about the presence of 6 surface plates and absence of '0' number of plates.
- (iii) Cube with its only 5 surface plates being intact, and 6<sup>th</sup> surface plate being absent, makes another versions of the cube which would permit expression as  $(5, -1)$  explaining that it is expression to mark the presence of 5 surface plate and absence of 1 surface plate.

### LESSON-2 SEVEN VERSIONS OF CUBE



(iv) Next version on the cube would be with its only 4 surface plate is being intact and remaining 2 surface plates being absent and the same would permit expression as  $(4, -2)$ .

(v) Like that, we shall be reaching at a range of 7 versions of the cube being  $(6, 0)$ ,  $(5, -1)$ ,  $(4, -2)$ ,  $(3, -3)$ ,  $(2, -4)$ ,  $(1, -5)$  and  $(0, -6)$

3. The another way to approach these 7 versions of cube is to view as that the first version of the cube is which is not having any of its surface plates being intact, and then second to seventh version of the cube shall be sequentially having (1, 2, 3, 4, 5 and 6) surface plates intact.

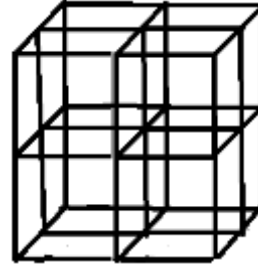
4. Still another way to glimpse and to reach at this range of seven version range would be begin with the cube which has half number of plates (means, 3 surface plates being

1. 'Cube' has 6 surface plates.
2. The presence and absence of these surface plate, make a range of following 7 versions:-

intact) and another half number of plates (means, 3 plates) being missing.

5. Then we can sequentially proceed on either side of the range from (3, -3) version, by having sequential addition and removal of the surface plate for this middle placement version.
6. Taking, the above middle placement version, being of  $(3, -3) = 0$  signature version, we shall be reaching at 7 signature range of seven versions of the cube being (-3, -2, -1, 0, 1, 2, 3) signature range.
7. Orientation wise above range may be of expression as (3, 2, 1, 0, -1, -2, -3).
8. One may have a pause here and take note that these seven versions of cubes, together shall be availing  $(6+5+4+3+2+1+0) = 21$  number of surface plates.
9. It also would be blissful to take note that number value 21 permits re-organization as  $21 = 1 \times 3 \times 7 = 3 \times 7$ .
10. It would be blissful to take note that Arthra Veda in its very first quarter of first mantra enlightens with formulation 'trishapta, which laterally means 3 and 7, and one of the value of this formulation brings us face to face with cube, (3-space body), being of seven versions.

### LESSON 3 EIGHT OCTAVES



1. It is going to be a blissful exercise to cut a soap-cake (cube) into 8 part (8 sub cubes) by having 3 cuts with a knife blade by using it parallel to 3 axes.
2. This cut (split) of soap cake (cube) into 8 parts (8 sub cubes) is there as a split of 3-space into 8 octants format
3. One shall chase this split of cube into eight sub cube, parallel to it the split of 3-space into 8 octants, in three sequential steps:-  
**FIRST STEP:-** knife blade shall be put along X-axis of the top surface of the cube and same shall be taken along the vertical axis till its reach uptill the X-axis of the bottom surface of the cube it shall be a cutting the cube the soap cake into two block.

**SECOND STEP:-** Now the knife blade put along the Y-axis of the top surface of the cube (as a set up of both blocks reached at during first step).

The knife blade shall be taken through both the block uptill Y-axis of the bottom surface.

## Transcendental content

It shall be resulting into split of both blocks of first stage cut, into two sub-blocks of each block.

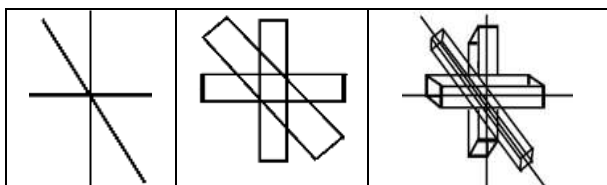
There by there would be a reach at quadruple sub blocks.

**THIRD STEP:-** \_Now the knife edge be put along the third axes Z axes, of the 3 dimensional frames and there shall be cut up-till the reach at the Z-axis along the opposite surface.

As a result each of the quadruple sub-block shall be splitting into a pair of parts and thereby would be a reach at eight parts of soap cake (8 sub cubes of cube).

4. This reach at the split of cube into 8 sub cubes shall be bringing us face to face with the reach at the split of 3-space itself into eight octants.
5. One shall sit comfortably and to glimpse and imbibe this happening of parallel split of cube into 8 sub cubes, on the one hand, and of 3-space into eight octants, on the other hand.
6. One shall further sit comfortably and to glimpse and imbibe as to how the knife blade which is of spatial (surface) set up, is playing its role parallel to the linear set ups of axes of the 3 dimensional frames.
7. It would be very blissful to construct parallel to linear axis of 3 dimensional frames, the set up of a 3 dimensional frames of 3 spatial (surface/ planes) axes.

## LESSON 4 THREE DIMENSIONAL FRAME



1. 3 dimensional frames may be define and accepted as a set up of 3 distinct linear axes, which are not complainer but are meeting at common in between point of the axes.
2. The non coplanar feature of 3 axes means that all the 3 of them cannot be of complete placement with a single plane.
3. The in between common meeting point of axis means that each axis extends along both sides of the meeting points.
4. The said meeting point of the axis is designated as origin of the 3 dimensional frames.
5. With it, 3 dimensional frames becomes a set up of 3 linear axis and 4<sup>th</sup> origin.
6. The origin split each axes into two parts;
7. With it, triple axes lead to a set of six parts, individually designated as half dimensions (half axis).
8. In the light of the above, 3 half dimensions of 3 axes, together with the origin shall be constituting a 3 dimensional frame of half dimensions.
9. One may have a pause here and take note that, a 3 dimensional frame of full dimension leads to a pair of 3 dimensional frames of half dimensions.
10. One may further have a pause here and take note that both 3 dimensional frames of half dimensions shall be having a common origin.
11. It would be a blissful exercise to glimpse and imbibe the existence of a 3 dimensional frame of half dimensions.
12. Let us revisit the set up of the cube and we shall be finding that each corner points of the cube is embedded a 3 dimensional frame of half dimensions.
13. It is this feature and the existence phenomenon of a 3 dimensional frames of half dimensions, which deserves to be comprehended well.
14. It would be a blissful exercise to revisit the set up of a 3 dimensional frame of full dimensions as a synthesis set up of a pair of a 3 dimensional frames of half dimensions being of opposite orientation.
15. It is this feature of the set up of a 3 dimensional frame, which deserves to be comprehended well, particularly in reference to the orientations of a pair of half dimensions of a dimension.
16. It would be a blissful exercise to revisit the set up of a 2 dimensional frame as a synthesis set up of a pair

## Transcendental content

of 2 dimensional frames of half dimensions of opposite orientations.

17. A step ahead, one shall visit the set up of a one dimensional frame as a synthesis set up of a pair of one dimensional frame of half dimensions of opposite orientations.



**2**

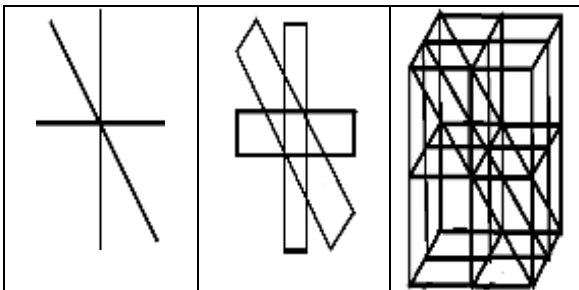
**LINEAR AXIS WITH SPATIAL BASE**

This day the course focus is upon ‘Linear axis with Spatial Base’. It four folds aspects being taken up are as follows:

- 5. Of linear and spatial dimensions
- 6. Dimensional frame split
- 7. Quadruple internal diagonals
- 8. Synthesis of half dimensional frames.

The values being covered are to be taught as lessons numbers 5 to 8 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-5  
OF LINEAR AND SPATIAL  
DIMENSIONS**



**LINEAR DIMENSION:-**

1-space playing the role of dimensions is designated as linear dimension.

**LINEAR AXES:-**

Line, the 1-space body, as dimension is designated as linear axis.

**LINEAR ORDER:-**

The 3-space bodies creation by linear dimension is designated as linear order creation.

**SPATIAL DIMENSION:-**

2-space playing the role of dimensions is designated as spatial dimension.

**SPATIAL AXES:-**

Plane, the 2-space body, as dimension is designated as spatial axis.

**SPATIAL ORDER:-**

The 4-space bodies creation by spatial dimension is designated as spatial order creation.

**3 DIMENSIONAL FRAME:-**

3 dimensional frame of linear order is a set up of 3 linear dimensions and origin. Each of the 3 linear dimension accepts a spatial base.

**LINEAR DIMENSIONAL FRAME WITH SPATIAL BASE:-**

As each Linear dimension is having a spatial dimension as its base, as such linear dimensional frame is designated as a dimensional frame of spatial base.

**LET US REVISIT SET UP OF CUBE:-**

Let us revisit the set up of the cube and we shall be face to face with its linear dimensional frame being of a spatial base. It is because of this that cube split into 8 sub cubes and 3-space split into 8 octants. Further, it is because of this feature that centre of cube accepts a dual status, firstly

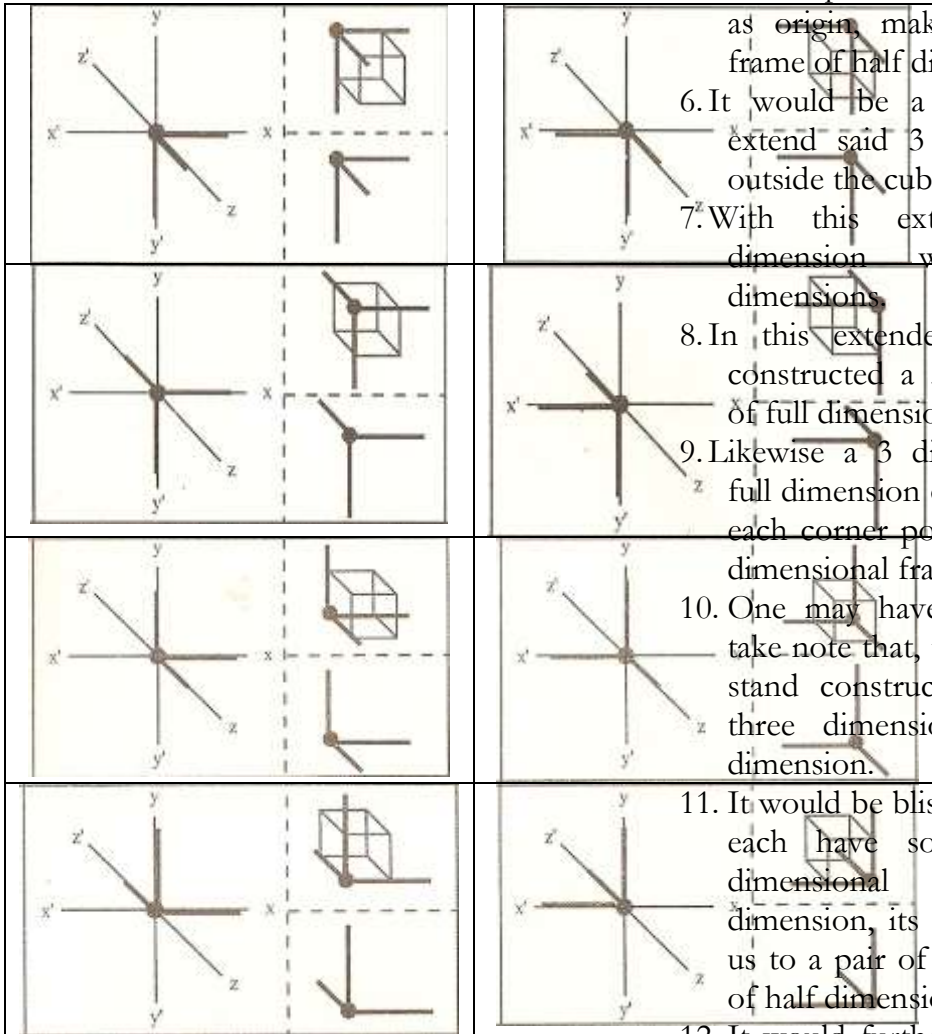
## Transcendental content

as like any other point of the cube and secondly the centre be uniquely distinct than all other points of the cube as that centre is equi-distant from all the corner points while no other point of the cube as this feature.

It would be blissful to re-chase set up of cube firstly with three linear dimensions, and secondly in-terms of 3 spatial dimensions. ■



**LESSON-6  
DIMENSIONAL FRAME SPLIT**



5. This dimensional frame of 3 half dimensions, together with the corner point as their meeting point, as origin, makes a 3 dimensional frame of half dimensions.

6. It would be a blissful exercise to extend said 3 edges in the space outside the cube.

7. With this extension, each half dimension will become full dimensions.

8. In this extended form, will stand constructed a 3 dimensional frame of full dimensions.

9. Likewise a 3 dimensional frame of full dimension can be constructed at each corner points as origin of this dimensional frame.

10. One may have a pause here and, take note that, this way, there would stand constructed, as many as, 8 three dimensional frame of full dimension.

11. It would be blissful to take note that each have so constructed three dimensional frame of full dimension, its split shall be leading us to a pair of 3 dimensional frame of half dimension.

12. It would further be blissful to take note that of these 16 three dimensional frame of half dimension, 8 of them are within cube, while remaining of 8 them are in space outside the cube.

13. This phenomenon of a split of a three dimensional frame into a pair of three dimensional frame of half dimension, deserves to be comprehend well.

14. It would be a blissful exercise to extend a 3 dimensional frame of half dimension into a three

1. Let us revisit the set up of the cube.
2. Each corner point of the cube is a meeting point of 3 edges.
3. These 3 edges which meet at the corner point, as such are half dimensions.
4. These 3 edges (as half dimension), together constitute a 3 dimensional frame of half dimensions, with corner point as the origin of this dimensional frame.

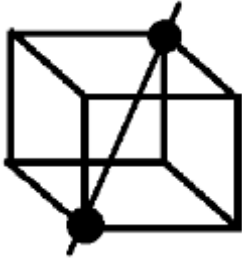
## Transcendental content

dimensional frame of full dimension.

15. It would further be a blissful exercise to split a three dimensional frame of full dimensions into a pair of 3 dimensional frame of half dimensions.



## LESSON-7 QUADRUPLE INTERNAL DIAGONALS



1. Let us revisit the structural set up of the cube.
2. Of this structural set up, let us have a focus upon the internal structural set up of cube, that is, upon the structural set up of the volume of the cube.
3. The three dimensional frame with origin at the centre of the cube is one feature which deserves to be comprehend well.
4. The ten directional frame accepted by the volume of the cube is another feature of the cube which deserves to be comprehend well.
5. The other feature, which deserves to be comprehended, is the set of quadruple internal diagonals of the cube.
6. These diagonals pass through centre of the cube.
7. Each diagonal coordinates a pair of corner points.
8. The pair of corner points and the centre, as such make a 3 point fixation for a diagonal of the cube.
9. All the 8 corner points of the cube are coordinated by the quadruple diagonals of the cube.
10. These diagonals are designated as the internal diagonals of the cube.
11. One may have a pause here and take note that end point of the diagonals are superimposed upon the respect corner points of the cube.
12. Further as that, each corner points of the cube is the origin of the respective three dimensional frame of half dimensions embedded in the corner point.
13. It would be a blissful to take note that pair of 3 dimensional frames of half dimensions (embedded in the respective end points of the respective diagonal) are of dimension of opposite orientation.
14. This feature (of dimensions being of opposite orientation) makes these said pair of 3 dimensional frames, as both of them being of inward orientation towards centre of the cube.
15. This structural set up of said pair of 3 dimensional frame, as such, avail respective diagonal as there translation path.
16. Both these dimensional frames, translate along this path of diagonal format and the translation beginning with the end point of the diagonal / corner point of the cube. Processes towards the centre of the cube.
17. It would be a blissful to take note that with reach at centre of the cube, this pair of dimensional frames acquire a synthetic set up of a 3 dimensional frame of full dimensions.
18. It is this feature of this translation which deserves to be comprehended well.
19. Such synthetic set up along each diagonal, that way will make available a set of quadruple

## Transcendental content

synthesized three dimensional frame of full dimensions.

20. It would further be blissful to take note that these quadruple three dimensional frame of full dimensions together with three dimensional frame of full dimension origin at the center come already available makes availability of as many as five 3-dimensional frame of full dimensions.
21. Each of these five 3-dimensional frame of full dimension makes a solid dimension (3-space in the role of dimension).
22. Further at that, these five solid dimensions, together constitute a solid dimensions frame of five dimensions of 5-space.
23. These features deserve to be comprehended well.



**LESSON-8**  
**SYNTHESIS OF HALF**  
**DIMENSIONAL FRAMES**

1. Synthesis of half dimensional frames deserves to be chased for its full appreciation and complete comprehension.
2. One way to chase it would be to follow the translation of pair of three dimensional frames of half dimensions from the corner points of a given internal diagonal till their reach at the centre of the cube (middle point of the diagonal).
3. One shall have a pause the movement the both of this pair of three dimensional frames of half dimensions reach at centre of the cube (middle of the diagonal).
4. This phase and stage, is going to be feature and values:
  - (i) Origins of both three dimensional frames of half dimensions gets super imposed upon centre of the cube (middle point of the diagonal).
  - (ii) Three pairs of half dimensions of opposite orientations of same dimension gets synthesized as a set of three full dimensions together making a three dimensional frames.
  - (iii) From the centre there happens to be a structural flow along each diagonals along its both orientations.
5. The angular placement of diagonal in reference to three dimensional frames with origin at the centre being responsible for split of the cube into 8 sub cubes by availing spatial base of three linear axes, deserves to be comprehended well.
6. The continuation of translation for both three dimensional frame of half dimensions, ahead a centre of the cube / middle of the diagonal, shall be sequentially have a reach uptill the opposite corner points.
7. One may have a pause here and to permit the mind to glimpse this happening of a three frame of half dimensions beginning translation from a given corner point and attaining reach at the other end point of the diagonal super imposed upon respective corner of the cube.
8. It would further be blissful to chase and comprehend further translation which shall be taking in the outward space making it a synthesis phenomenon of construction of a three dimensional frame of full dimensions at the second end point of the diagonal.
9. One shall chase this translation firstly beginning with the first corner point of the diagonal having is reach uptill centre of the cube / middle point of the diagonal and secondly beginning with centre of the cube/ middle point of the diagonal and attaining the second end point of the interval.
10. It would be a blissful exercise to chase this 2 phased translation for all the three dimensional frame of half dimensions embedded in all the 8 corner points cube. ■

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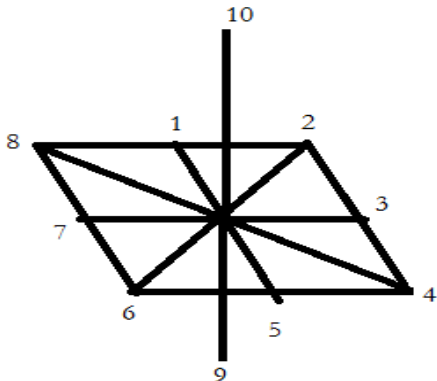
**INTERNAL STRUCTURAL CHASE OF CUBE**

This day the course focus is upon 'Internal structural chase of cube'. It four folds aspects being taken up are as follows:

- 9. Ten directional frame
- 10. Ninth sub cube
- 11. Cube as hyper cube 3
- 12. Linear dimensional order

The values being covered are to be taught as lessons numbers 9 to 12 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-9  
TEN DIRECTIONAL FRAMES**



- 1. It will be blissful exercise to fix the cube the cube in terms of ten directional frames.
  - (i) East is the first direction.
  - (ii) East-South is the second direction
  - (iii) South is the third direction
  - (iv) South-West is the fourth direction
  - (v) West is the fifth direction
  - (vi) West-North is the sixth direction
  - (vii) North is the seventh direction
  - (viii) North-East is the eighth direction

- 2. Of these, East-South, South-West, West-North and North-East are designated as sub directions while above eight directions are formatted along the axes and diagonals of plane.
- 3. Ninth and tenth directions are formatted vertically upward and vertically downward along the third axes of a three dimensional frame with first two axes making a plane of eight directional (a set up of four direction and four sub direction).
- 4. It would be relevant to take note that the quadruple direction namely east, south, west and north are formatted along the pair of half dimensions of first axis and pair of half dimensions of second axis of the plane (2-space).
- 5. It also would be relevant to take note that 2-space accepts a synthetic format of a pair of two dimensional frames of half dimensions of opposite orientations.
- 6. It is this set up which makes north and south a pair of direction of the format of opposite orientation of a pair of half dimensions.
- 7. Likewise, east and west as well accepts format of a pair of half dimensions of opposite orientations.
- 8. The quadruple sub direction, together as well get a formatting parallel to the set up of a two dimensional frame of full dimension being a synthetic set up of a pair of 2 dimensional frames of half dimensions.
- 9. One may have a pause here and take note that the pair of diagonals of a square (plane) as well constitute a two dimensional frame of full

dimensions of a synthetic format of a pair of two dimensional frames of half dimensions.

10. It would further be a blissful exercise to approach ninth and tenth direction as a format of a dimension, as a synthetic set up of a pair of half dimensions of opposite orientations.

■

**10**

**NINTH SUB CUBE**

1. The translation along the diagonals of 3 dimensional frame of half dimensions from the corner points and their reach at the centre of the cube, creates a set up of centre of the cube getting superimposed by the origins of eight 3 dimensional frames of half dimensions.
2. Further translation, in a way would amount to making of the set up of the cube as a set up of eight sub cubes.
3. With each sub cube, as well being of structural format of a cube itself, it shall be making spilt for each sub cube as well being of eight sub-sub cube.
4. Each sub cube shall be having a inner most sub-sub cube with inner most corner being of placement at the centre of the cube itself.
5. Eight sub-sub innermost cubes of all the eight sub cubes, together synthesized the set up of a sub cube.
6. This synthetic sub cube of inner most eight sub sub cubes of eight sub cubes, is designated as the ninth sub cube.
7. One may have a pause here and take note that it is because of this ninth

sub cube, with centre superimposed upon the centre of the original cube, because of which every point cube is full of the entire structure of the cube.

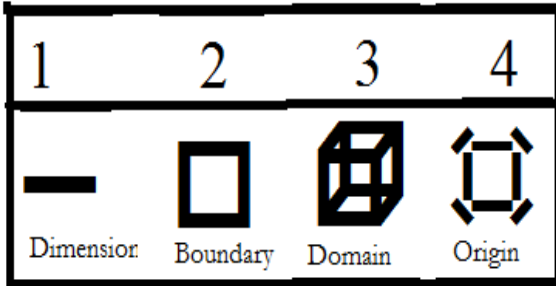
8. It is this feature of the structural set up of the cube, which deserves to be comprehended well.
9. It is this structure of the sub cube, which also brings face to face with the centre being the seat of the origin being enveloped by solid boundary of eight components.
10. It further bring us face to face with the distinctive feature of the origin of 3-space with 3-space itself remaining at the boundary of the origin.
11. It is this distinctiveness which takes us a head of 3-space, to 4-space and higher spaces compactified at the centre of the cube as a seat of origin.
12. Reach from 3-space to 4-space, conceptually is a reach by way of transcendence from 3-space to 4-space.
13. It is a reach from cube enveloped within spatial boundary to hyper cube 4 enveloped within solid boundary.
14. One shall sit comfortably and to permit the mind to comprehend the features and values of the set up of the 9<sup>th</sup> sub cube and sequential reach steps up-till the centre of the cube as a seat of origin of 3-space.

■

**LESSON-11**

**CUBE AS HYPER CUBE 3**

## Transcendental content



### HYPER CUBE:-

1. Hyper cube is a set up of four folds, namely
  - (i) Dimensional fold
  - (ii) Boundary fold
  - (iii) Domain fold, and
  - (iv) Origin fold
2. Dimensional fold leads to the dimensional frame for the domain fold.
3. Boundary fold leads to geometric envelop of the domain fold.
4. Domain fold is a manifested space content within geometric envelop and the dimensional frame.
5. Origin fold is enveloped within the domain fold as point space content of the next dimensional space.

### MANIFESTATION LAYER:-

1. Hyper cube is a four folds manifestation layer of four consecutive dimensional spaces respectively playing the role of dimensional fold, boundary fold, domain fold and origin fold.
2. Four folds manifestation layer with N-space content playing the role of dimension (N+1 space), playing the role of boundary fold, (N+2) space playing the role of domain fold and (N+3) space content playing the role of origin fold is designated as hyper cube (N+2).

3. One may have a pause here and take note that it is the domain fold, which plays prominent role in manifestation of manifestation layers, and as such, it is designated and conceptually approached in terms of domain fold, as in the above expression, the four fold manifestation layer of quadruples values (N, N+1, N+2, N+3) / (N-space content, N+1-space content, N+2-space content, N+3-space content) is being taken as a focus upon (N+2) space content manifesting as domain fold.
4. It would further be relevant to take note that N-space content as domain fold of hyper cube N, here in reference to (N, N+1, N+2, N+3) manifestation layer of hyper cube N+2 is playing the role of dimensional fold.
5. Likewise N+1-space content as domain fold of hyper cube N+1) plays the role of boundary fold of four folds manifestation layer (N, N+1, N+2, N+3) of hyper cube N+2.
6. And, (N+3)space content as domain fold of hyper cube N+3), here plays the role of origin fold of four folds manifestation layers (N, N+1, N+2, N+3) of hyper cube N+2).
7. One may further have a pause here and take note that the space content as domain fold plays different roles as dimension fold, boundary fold and origin fold of respective hyper cubes.
8. It would further be blissful to take note that each space content manifest as domain folds, and the same as domain fold plays the roles

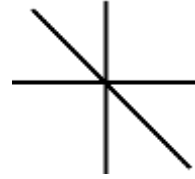


of other folds like dimension fold, boundary fold and origin fold for respective hyper cubes.

9. 4 folds manifestation layer (N, N+1, N+2, N+3) for N= 1 as (1, 2, 3, 4) is the four folds manifestation layer of hyper cube 3.
10. Here, one space content plays the role of linear dimension / axis.
11. Two space contents play the role of spatial boundary.
12. Three space contents manifests as domain fold / solid domain (volume).
13. 4-space content plays the role of origin fold.
14. One shall revisit the above feature of hyper cube 3 as a four folds manifestation layers (1, 2, 3, 4) / (1-space as dimension / axis, 2-space as spatial boundary, 3-space as solid domain / volume and 4-space as origin), as is the set up of the cube.
15. It will blissfully bring us face to face with the set up of the cube being of the format of hyper cube.
16. It is this comprehension as that cube is hyper cube 3, which shall be imbibed fully.
17. It is with the imbibing of these features and value of the set up of the cube as hyper cube 3, which shall be leading to proper insight and appropriate enlightenment about 3-space Vedic Mathematics, Science & Technology.



## LESSON-2 LINEAR DIMENSIONAL ORDER



1. Linear dimensional order is there because of one space content plays the role of dimension.
2. Linear dimensional order is there as linear axis constitutes a dimensional frame.
3. Linear order creates four folds manifestation layer (1, 2, 3, 4) / (1-space as dimension, 2-space as boundary, 3-space as domain and 4-space as origin) of hyper cube 3, the representative regular body of 3-space.
4. One may have a pause here and take note that representative regular body does not prefer any dimension over any other dimension of the dimensional frame of the body.
5. Cube is the representative regular body of 3-space.
6. Sphere is also another representative regular body of 3-space.
7. Linear dimensional order leads to synthesis of linear dimension, sequentially yielding value (1) for single dimension, value  $(1+2) = (3)$  for a pair of dimensions, value  $(1+2+3) = (6)$  for triple dimensions, value  $(1+2+3+4) = (10)$  for quadruple dimensions and so on the value for N dimensions comes to be  $(1+2+3+4+ \dots +N = N(N+1)/2)$ .
8. One shall, for the present, accept by way of definition, the above linear dimensional synthesis values sequence as (1, 3, 6, 10, 15, 21, ...)

of synthesis values of single, double, triple, quadruple and higher number of dimensions. ■

9. This feature will help us appreciate the parallel formats of mathematics of artifices of numbers and of dimensional axes.
10. The quadruples values (1, 2, 3, 4) and parallel to it quadruple manifestation folds (1-space as dimension, 2-space as boundary, 3-space as domain, 4-space as origin) will also bring us face to face with the role of single axis as dimensional fold, pair of axes as boundary fold, triple axes as domain fold and quadruple axes as origin fold.
11. It would further bring us face to face with the role of  $(1+2) = 3$  and the linear dimensional frame being of three dimensions set up.
12. Further  $(1+2+3) = (6)$  will bring us face to face with the spatial boundary being of six surface plates.
13. Still further  $(1+2+3+4) = (10)$  will bring us face to face with ten directional frame for the domain fold creations of linear order.
14. Here it would be relevant to take note that ten direction frame accepts 8 directions (of a pair of dimensions set up) + 2 directions (along third directional as upward and downward direction).
15. Here it would be further relevant to take note that three space domain (volume of cube) permits split as eight sub cubes.
16. One shall comprehend and imbibe above values of a linear order creation of cube as hyper cube 3 of four folds manifestation layer (1, 2, 3, 4).

**4**

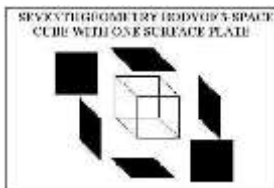
**SPATIAL BOUNDARY & CREATIVE ORIGIN FEATURES OF 3-SPACE BODIES**

This day the course focus is upon ‘Spatial boundary & creative origin features of 3-space bodies’. It four folds aspects being taken up are as follows:

- 13. Spatial boundary
- 14. Solid domain
- 15. Creative origin
- 16. Sealed origin

The values being covered are to be taught as lessons numbers 13 to 16 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-13  
SPATIAL BOUNDARY**



- 1. Spatial boundary is the second fold / boundary fold of four folds manifestation layer (1, 2, 3, 4) of hyper cube 3.
- 2. The domain-boundary ratio of hyper cube 3 permits expressing as  $a^3:6a^2$ .
- 3. One may have a pause here and take note that square (as hyper cube 2 being the four folds manifestation layers (0, 1, 2, 3) accepts domain-boundary ratio as  $a^2:4a^1$ .
- 4. Further interval as hyper cube 1 being a four folds manifestation layer (-1, 0, 1, 2) accepts domain-boundary ratio as  $a^1:2a^0$ .
- 5. One may have a pause here and take note that the domain-boundary ratio

- of interval (hyper cube 1), square (hyper cube 2) and cube (hyper cube 3) accepts common formulation  $a^n:2na^{n-1}$ ,  $N = 1, 2, 3$ ).
- 6. It would be blissful to take note that the above domain-boundary ration formulation is equally applies to hyper cubes four onwards as well.
- 7. Domain-boundary ratio formulation  $a^n:2na^{n-1}$  deserve to be appreciated and comprehend for value  $N = 4$  in respect of hyper cube 4 being  $a^4:8a^3$ .
- 8. It would be a blissful exercise to sequentially chase boundary folds of interval hyper cube 1, square hyper cube 2, cube hyper cube 3 and hyper cube 4.
- 9. The distinct role of the spatial boundary fold, distinct then that of solid domain deserves to be comprehend well for its proper appreciation and for complete imbibing of its values.
- 10. Here it would be relevant to take note that hyper cube 3 is a linear order set up while hyper cube 2 is a zero order set up.

■

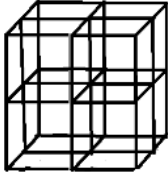
**LESSON-14**  
**SOLID DOMAIN**

1. Solid domain is the third fold of hyper cube 3 being a four folds manifestation layer (linear dimension, spatial boundary, solid domain, creative origin).
2. Solid domain is a set up of 3-space content lump manifesting as domain fold of hyper cube 3.
3. At centre of solid domain is the seat of creative origin (fourth fold of hyper cube 3).
4. One feature of solid domain is that it manifests with in a three dimensional frame of three linear dimensions.
5. Its second feature of solid domain is that it accepts a geometric envelop of spatial boundary.
6. Third feature of solid domain is that it is having a seat of creative origin at its centre.
7. The creative origin at centre of solid domain is a point body of 4-space.
8. The three dimensional frame with its origin at centre of the cube, that way seals the domain fold.
9. We may formally define 'sealed solid domain' as a solid domain with its origin being in a sealed state because of super imposition of the origin of three dimensional frames at centre of the cube being the seat of the origin fold of hyper cube 3.
10. One may have a pause here and to properly appreciate and to comprehend the distinctive features of a sealed three dimensional domain from that of a three dimensional frame with unsealed origin.
11. The other feature of cube (three dimensional domain) is that cube splits into eight sub cubes, parallel to the split of 3-space into eight octants.
12. It would be blissful to take note that, a step ahead, sub cube as well, permits a split into eight sub-sub cubes.
13. And this sequential split of cube into sub cubes and sub cubes and sub-sub cubes and so on is of add-infinity steps.
14. The sequential values sequence ( $8^1, 8^2, 8^3, 8^4, \dots$ ) deserves to be chased parallel to the values sequence ( $a^1, a^2, a^3, a^4, \dots$ ).
15. It would be relevant to take note that transcendental code value of *Akash* is '8'.
16. Further as that, the transcendental code value of formulation *Ek* as well '8'.
17. Still further as that, transcendental code value of formulation *triya* is also '8'.

18. And, formulation *iti* two accepts transcendental code value '8'.
19. The value  $8 = 2^3$  will help us appreciate and comprehend this value in reference to the value  $1 = 1^3$ .
20. Here it would be relevant to take note that Shakala Rig Ved Samhita is a scripture of 8 Ashtaks and 64 Chapters.
21. Further as that, the text of Ganita sutras and upsutras is a text of 512 expressed letters + 7 unexpressed letters + 1 unmanifests letter.
22. One shall sit comfortably and to permit the transcending mind to comprehend and imbibe the above features of solid domain.



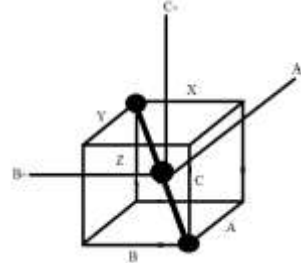
**LESSON-15  
CREATIVE ORIGIN**



1. Creative origin is the fourth fold of the hyper cube 3 as a four folds manifestation layer (1, 2, 3, 4).
2. 4-space plays the role of origin of 3-space.
3. 4-space is a spatial order space (2-space plays the role of dimension of 4-space), while 3-space is a linear order space (1-space plays the role of dimension of 3-space).
4. It is because of this dimensional order, that creative origin is of point body set up at the seat of centre of the cube.
5. It is with the split of 3-space domain into 8 octants format of 3-space, that the origin has a release from the domain.
6. It is with this release of origin that it manifests as domain fold of hyper cube 4 with solid boundary of eight components.
7. It is this feature of the creative origin, which deserves to be comprehended well.
8. A reach from 3-space domain to 3-space origin is going to be a reach from 3-space to 4-space.
9. It is because of the spatial order of four space that centre of the cube as a seat of origin, acquires a dual status.
10. One shall sit comfortably and to permit the transcending mind to distinctively glimpse and imbibe the

values of origin fold of hyper cube 3. ■

**LESSON-16  
SEALED ORIGIN**



1. Origin of 3-space gets sealed with super imposition of origin of a three dimensional frame.
2. In this state, the centre of the cube acquires structural set up like any other point of the domain fold (volume).
3. Centre, as a point volume gets a sealed point of the domain fold.
4. The sealed point of domain folds of 3-space plays the role of origin fold of hyper cube 2 (0, 1, 2, 3).
5. One may have a pause here and take note that sealed origin of hyper cube 2, as such will amount to a double seal for the point of 3-space domain.
6. A reach at the sealed origin of hyper cube 1 will add another sealed, the third seal, upon the point of three space domain.
7. This feature, as such by definition, be taken as a feature of compactified origins at the same seat / centre of the domain fold of the format of hyper cube.
8. One shall sit comfortably and permit the transcending mind to fully comprehend this feature and phenomenon of compactified origin with-in the domain fold, at it centre.

9. It would further be blissful to take note that with sequential on sealing their emerge surfacing of a sequential range of hyper cubes from with-in the origin folds.
10. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these feature of the phenomenon of compactified organization of origin folds.



**5**

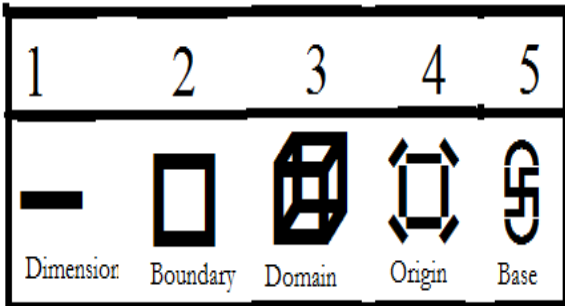
**TRANSCENDENTAL BASE FOR OUTWARD AND INWARD 4-SPACE**

This day the course focus is upon ‘Transcendental base for outward and inward 4-space’. Its four folds aspects being taken up are as follows:

- 17. Transcendental base
- 18. Six place value system
- 19. 5x7 grid
- 20. Outer and inward four spaces

The values being covered are to be taught as lessons numbers 17 to 20 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-17  
TRANSCENDENTAL BASE**



- 1. The unsealing process of the compactified state of origins, sequentially takes from origin from 4<sup>th</sup> fold to the 5<sup>th</sup> fold as domain of the next origin which gets unsealed in the process, from the given origin.
- 2. This feature is designated as the feature of transcendence phenomenon.
- 3. The transcendence phenomenon extended four folds manifestation layer of hyper cube into 5 folds range.
- 4. The fifth fold is designated as base fold.

- 5. First four folds namely dimension fold, boundary fold, domain fold and origin fold, together with the fifth fold namely base fold makes a transcendence range of five folds.
- 6. It is this extension of four folds manifestation layer into five folds transcendence range, which deserves to be thoroughly chase, for its complete appreciation to have its complete imbibing to acquire proper insight and to attain appropriate enlightenment about this systems of Vedic Mathematics Science and Technology.
- 7. The four folds manifestation layer (1, 2, 3, 4) shall be extended into a five folds transcendence range (1, 2, 3, 4, 5).
- 8. Likewise the four folds manifestation layer (2, 3, 4, 5) shall be extended into a transcendence range (2, 3, 4, 5, 6).
- 9. In general, four folds manifestation layer (N, N+1, N+2, N+3) shall be extending into five folds transcendence range (N, N+1, N+2, N+3, N+4).
- 10. It would be blissful to take note that transcendence from four fold manifestation layer (1, 2, 3, 4) into transcendence range (1, 2, 3, 4, 5), infact shall be a reach from the four fold manifestation layer (1, 2, 3, 4) to a synthesized set up of pair of four folds manifestation layer (1, 2, 3, 4) and (2, 3, 4, 5) along the transcendence range format (1, 2, 3, 4, 5).
- 11. It would be a blissful exercise to sequentially chase this transcendence phenomenon starting with manifestation layer (1, 2, 3, 4)

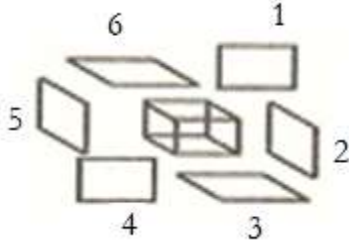


with reach at (1, 2, 3, 4, 5), and from (2, 3, 4, 5) with a reach at (2, 3, 4, 5, 6) and so on.

12. It is this feature of unsealed origin, which deserves to be comprehend well and its feature and values for properly appreciated for their complete imbibing.
13. It would also be relevant to take note that the compactified nature of origins is responsible for sequential unfolding of this compactification, because of which is the emergence of sequential transcendence ranges namely (1, 2, 3, 4, 5), (2, 3, 4, 5, 6), (3, 4, 5, 6, 7) and so on.



**LESSON-18**  
**SIX PLACE VALUE SYSTEM**



1. Spatial boundary set up leads to a six place value system.
2. Each of the 6 surface plate of solid domain is of a solid origin enveloped with in a spatial boundary of six components.
3. As such, the transcendence at the origin folds of six surface plates shall be leading to  $(6 \times 6) = 36$  spatial components formats
4. One may have a pause here and take note that each of these 36 spatial components shall be having solid domain as origin folds enveloped with 6 surface plates each and thereby this stage of transcendence there would emerge, as many as  $6^3$  spatial structural components.
5. And the process will continue, sequentially lead to  $6^1, 6^2, \dots$  spatial structural components.
6. It would be blissful to take note that this sequential emergence of values as  $6^1, 6^2, \dots$  is parallel to six place value format.
7. It is this feature of the spatial boundary of solid domain, which deserves to be comprehend well for its proper appreciation and for complete imbibing of its values to acquire proper insight and to attain appropriate enlightenment of six place value system
8. One may have a pause here and take note that, it is this feature which will further bring us face to face with parallel mathematics of artifices of number and of dimensional spaces.
9. A step ahead, the solid boundary of 8 component of hyper cube 4 shall be bringing us face to face with the parallel feature of eight place value system and of solid boundary of hyper cube 4, the representative regular body of 4-space.
10. A step ahead, creative boundary of ten component of hyper cube 5, the representative regular body of 5-space, shall be bringing us face to face with the parallel feature of ten place value system and of creative boundary of ten components hyper cube 5
11. The interrelationship of the setups of hyper cube 3 and hyper cube 5 will further help us to reach at interrelationship of six place value system with ten place system.
12. Infact, every place value system is fully interrelated with every other place value system, like every hyper cube is interrelated with every other hyper cube.
13. It is this interrelationship, which deserves to be comprehend well for complete appreciation and full imbibing

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**LESSON-19**  
**5X7 GRID**

1. Vedic system work out double digit number of n place value system along  $(N-1) \times (N+1)$  grid of  $(N^2-1)$  grid zones.
2. The basic ten place value system with its  $99 = (9 \times 11)$  double digit number is availed for the organization of the knowledge of the last (thirteen chapter) of Sri Mad Durga Sapt-Shati.
3. The six place value system leads to the format of 5x7 grid for coverage of 35 double digit number of 6 place value system along 35 grid zone, as under

**01 02 03 04 05**  
**10 11 12 13 14**  
**15 20 21 22 23**  
**24 25 30 31 32**  
**33 34 35 40 41**  
**42 43 44 45 50**  
**51 52 53 54 55 100**

4. It would be a blissful exercise to find equivalent values of above 35 double digits number of 6 place value systems into ten place value systems as (01, 02, 03, 04, 05 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35).
5. It would be blissful to take note that the triple digit number value (100) of six place value system is having its equivalent value in ten place value system as (36).

6. It would be a blissful exercise to reach at equivalent values of ten place value system (00 to 99) into six place value system.
7. It would be blissful to take note that common algebraic format for place value system is  $(A+BX^1+CX^2+\dots)$ .

**THREE PLACE VALUE SYSTEM**

1. Double digit number of 3 place value systems are '8' which are accommodated by eight grid zones of 2x4 grid as under:-

**01 02**  
**10 11**  
**12 20**  
**21 22 100**

2. Double digit numbers of 5 place value systems are '24' which are accommodated by twenty four grid zones of 4x6 grid as under:-

**01 02 03 04**  
**10 11 12 13**  
**14 20 21 22**  
**23 24 30 31**  
**32 33 34 40**  
**41 42 43 44 100**

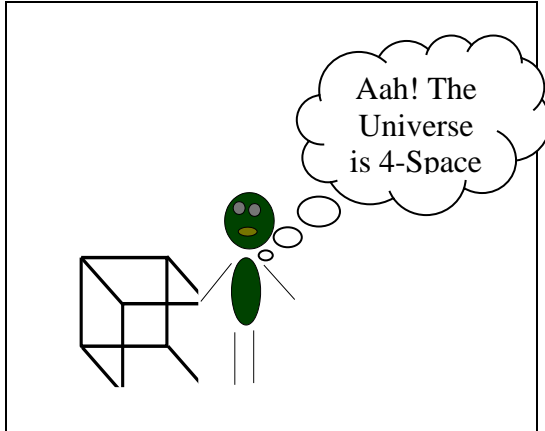
3. In general grid  $(N-1) \times (N+1) = N^2-1$  accommodates all the double digit numbers for all odd and even place values system (N).



**LESSON-20**

**OUTER AND INWARD FOUR SPACES**

**OUTWARD FOUR SPACE**



3. The transcendence from 3-space to 4-space leads to inward expansion.
4. The transcendence outward from spatial boundary leads to outer expansion from 3-space to 4-space
5. It is this permissibility of simultaneous inward and outward expansion from 3-space to 4-space is the feature which deserves to be comprehended well.

■

1. The space outside cube is a 4-space.
2. The space within cube is 3-space.
3. The corner points of the cube as origin points of three dimensional frame embedded in the corner points are of dual status of points of three space, as well as, the points of four space.
4. One may have a pause here and take note that this feature is there because of the compactified stage of origin.
5. Cube, as a three space body, within four space, plays the role of solid dimensional order of transcendental origin (5-space as origin) of 4-space.

**INNER FOUR SPACE**

1. The creative origin of 3-space leads to inner four space.
2. The spatial boundary of 3-space as spatial order creates the outer four space.

**6**

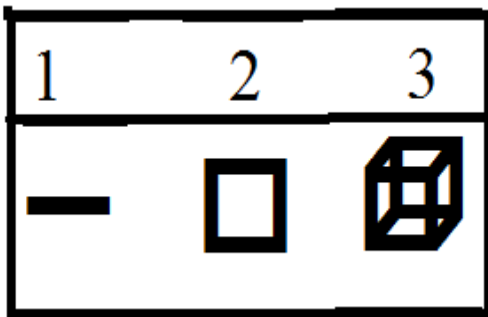
**CUBE SEQUENCE**

This day the course focus is upon ‘Cube sequence’. It four folds aspects being taken up are as follows:

21. Interval, Square and cube formats.
22. Single, double and triple digits numbers
23. Cubes sequence ( $1^3, 2^3, 3^3, 4^3 \dots$ ).
24. Synthesis of cubes as sub cubes.

The values being covered are to be taught as lessons numbers 21 to 24 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-21  
INTERVAL, SQUARE AND CUBE  
FORMATS**



**INTERVAL:-**

1. Interval is hyper cube 1.
2. It is four folds manifestation layer (-1, 0, 1, 2).
3. Domain boundary ratio is  $A^1:2A^0$ .
4. Interval (hyper cube 1) as 3 versions.
5. 3 version of interval permit organization as (-1, 0, 1) signature range.

**SQUARE:-**

6. Square is hyper cube 2.
7. It is four folds manifestation layer (0, 1, 2, 3).
8. Domain boundary ratio is  $A^2:4A^1$ .

9. Square (hyper cube 2) as 5 versions.
10. 5 versions of square permit organization as (-2, -1, 0, 1, 2) signature range.

**CUBE:-**

11. Cube is hyper cube 3.
12. It is four folds manifestation layer (1, 2, 3, 4).
13. Domain boundary ratio is  $A^3:6A^2$ .
14. Cube (hyper cube 3) as 7 versions.
15. 7 versions of cube permit organization as (-3,-2,-1, 0, 1, 2, 3) signature range.

**SEQUENTIAL CHASE ALONG  
FORMAT OF MIDDLE SIGNATURE  
VERSION:-**

**INTERVAL:-**

1. Value N for middle signature version will make three signature range as of values (N-1, N, N+1) of total value 3N.
2. As such, the sequential values of  $N = (2^2, 2^2, 2^3, 2^4 \dots)$  shall be leading to value as ( $2^1 \times 3, 2^2 \times 3, 2^3 \times 3, 2^4 \times 3 \dots$ ).
3. One may have a pause here and take note that the middle signature version, maintains the sequential value for the summation value of whole range as above,
4. A step ahead,  $N = (3^1, 3^2, 3^3, 3^4 \dots)$  shall be leading to summation value sequence for the range as ( $3^1 \times 3, 3^2 \times 3, 3^3 \times 3, 3^4 \times 3 \dots$ )
5. Likewise, would follow the sequential values for  $N = (4^1, 4^2, 4^3, 4^4 \dots)$ , and in general would follow for the values sequence for  $N = (N^1, N^2, N^3, N^4 \dots)$ .

**SQUARE:-**

1. Value N for middle signature version will make five signature range as of

## Transcendental content

values  $(N-2, N-1, N, N+1, N+2)$  of total value  $5N$ . **HYPER CUBE 4, HYPER CUBE 5 AND HYPER CUBE 6:-**

- As such, the sequential values of  $N = (2^1, 2^2, 2^3, 2^4 \dots)$  shall be leading to value as  $(2^1 \times 5, 2^2 \times 5, 2^3 \times 5, 2^4 \times 5 \dots)$ .
  - One may have a pause here and take note that the middle signature version, maintains the sequential value for the summation value of whole range as above,
  - A step ahead,  $N = (3^1, 3^2, 3^3, 3^4 \dots)$  shall be leading to summation value sequence for the range as  $(3^1 \times 5, 3^2 \times 5, 3^3 \times 5, 3^4 \times 5 \dots)$ .
  - Likewise, would follow the sequential values for  $N = (4^1, 4^2, 4^3, 4^4 \dots)$ , and in general would follow for the values sequence for  $N = (N^1, N^2, N^3, N^4 \dots)$ .
- Hyper cube 4, 5 and 6 are 9, 11 and 13 versions respectively.
  - As such, these version would be signature ranges:  
 $(N-4, N-3, N-2, N-1, N, N+1, N+2, N+3, N+4)$   
 $(N-5, N-4, N-3, N-2, N-1, N, N+1, N+2, N+3, N+4, N+5)$   
 $(N-6, N-5, N-4, N-3, N-2, N-1, N, N+1, N+2, N+3, N+4, N+5, N+6)$
  - It would be blissful exercise to chase along above format for  $N = (2^1, 2^2, 2^3 \dots), (3^1, 3^2, 3^3, 3^4 \dots), (4^1, 4^2, 4^3, 4^4 \dots), (M^1, M^2, M^3, M^4 \dots)$ .

■

### **CUBE:-**

- Value  $N$  for middle signature version will make seven signature range as of values  $(N-3, N-2, N-1, N, N+1, N+2, N-3)$  of total value  $7N$ .
- As such, the sequential values of  $N = (2^1, 2^2, 2^3, 2^4 \dots)$  shall be leading to value as  $(2^1 \times 7, 2^2 \times 7, 2^3 \times 7, 2^4 \times 7 \dots)$ .
- One may have a pause here and take note that the middle signature version, maintains the sequential value for the summation value of whole range as above.
- A step ahead,  $N = (3^1, 3^2, 3^3, 3^4 \dots)$  shall be leading to summation value sequence for the range as  $(3^1 \times 7, 3^2 \times 7, 3^3 \times 7, 3^4 \times 7 \dots)$ .
- Likewise, would follow the sequential values for  $N = (4^1, 4^2, 4^3, 4^4 \dots)$ , and in general would follow for the values sequence for  $N = (N^1, N^2, N^3, N^4 \dots)$ .

(1, 2, 3, 4, 5)

**LESSON-22**  
**SINGLE, DOUBLE AND TRIPLE**  
**DIGITS NUMBERS**

1. Single digit number of ten place value system are (1, 2, 3, 4, 5, 6, 7, 8, 9).
2. Double digit number of ten place value system are:

01	02	03	04	05	06	07	08	09
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63
64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99

3. Triple digit numbers are 001 to 999. These are of the organization 99+900. Further it is of organization  $9 \times 11 + 9 \times 100$ . This as such, makes ten blocks of which one block is of 99 numbers while remaining 9 blocks are of 100 numbers in each of the range 100 to 999.
4. It would be blissful to reach at single, double and triple digit number of 6 place value system.
5. Single digit number of 6 place value system are

6. Double digit number of 6 place systems are:

01	02	03	04	05
10	11	12	13	14
15	20	21	22	23
24	25	30	31	32
33	34	35	40	41
42	43	44	45	50
51	52	53	54	55

7. Triple digit number of 6 place value systems are:

R-1	001	002	003	004	005
R-2	010	011	012	013	014
R-3	015	020	021	022	023
R-4	024	025	030	031	032
R-5	033	034	035	040	041
R-6	042	043	044	045	050
R-7	051	052	053	054	055
R-8	100	101	102	103	104
R-9	105	110	111	112	113
R-10	114	115	120	121	122
R-11	123	124	125	130	131

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R-12	132	133	134	135	140
R-13	141	142	143	144	145
R-14	150	151	152	153	154
R-15	155	200	201	202	203
R-16	204	205	210	211	212
R-17	213	214	215	220	221
R-18	222	223	224	225	230
R-19	231	232	233	234	235
R-20	240	241	242	243	244
R-21	245	250	251	252	253
R-22	254	255	300	301	302
R-23	303	304	305	310	311
R-24	312	313	314	315	320
R-25	321	322	323	324	325

R-26	330	331	332	333	334
R-27	335	340	341	342	343
R-28	344	345	350	351	352
R-29	353	354	355	400	401
R-30	402	403	404	405	410
R-31	411	412	413	414	415
R-32	420	421	422	423	424
R-33	425	430	431	432	433
R-34	434	435	440	441	442
R-35	443	444	445	450	451
R-36	452	453	454	455	500
R-37	501	502	503	504	505
R-38	510	511	512	513	514
R-39	515	520	521	522	523



R-40	524	525	530	531	532
R-41	533	534	535	540	541
R-42	542	543	544	545	550
R-43	551	552	553	554	555

1000

8. It would be blissful to take note that Braham sutra is a scripture of 55 Shalokas.
9. It would further be blissful to take note that Surya Ank is '6'.
10. Par Braham is a step ahead of Nav Braham and as such Braham Ank is 10.
11. It would be a blissful exercise to chase number value 555 along ten place value system, as well as along 6place value systems.
12. Triple digit value number 555 along 6 place value system is of value 215 along ten place value systems.
13. The difference value  $(555-215) = 340 = 34 \times 10 = (7+8+9+10) \times (1+2+3+4)$  bring us face to face with the set up of hyper cube 9 and hyper cube 3.



### LESSON-23

#### CUBES SEQUENCE ( $1^3, 2^3, 3^3, 4^3 \dots$ ).

1. Cube is a set up within a three dimensional frame.
2. It permits a sequential chase as steps of (i) Single axis (ii) Pair of axes, and (iii) All the triple axes.

3. These three sequential steps are of the format of (i) Interval (ii) Square and (iii) Cube.
4. Interval is of a pair of orientation.
5. This pair of orientation permit expression (+1, -1), parallel to '+1 space' and '-1 space'.
6. One may have a pause here and take note that '+1 space' accepts '-1 space as dimension'.
7. Further as that,  $(+1, -1) = 0$  is parallel to zero is playing the role of dimension of 2-space.
8. One may further have a pause here and take note that 2-space plays the role of origin of 1-space.
9. With it, we are face to face with the organization  $(-1, 0, +1)$  for the set up of an interval, in reference to it middle point.
10. It would be blissful to take note that, this leads us to a flow of a pair of stream of values along the formats of a pair of halves of an interval of opposite orientation placement.
11. This, as such, sequentially leads us to the organization for square values sequence are as follows:
  - (o)  $0^2 = (-1+0+1)$ , a set up of 3 values  $(-1, 0, 1)$  with 0 at middle placement.
  - (i)  $1^2 = (0+1+0)$ , a set up of values  $(0, 1, 0)$  with 1 at middle placement, and this middle placement being approach from both sides in equal steps.
  - (ii)  $2^2 = (0+1+2+1+0)$ , a set up of values  $(0, 1, 2, 1, 0)$  with 2 at middle placement, and this middle placement being approach from both sides in equal steps.

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- (iii)  $3^2 = (0+1+2+3+2+1+0)$ , a set up of values (0, 1, 2, 3, 2, 1, 0) with 3 at middle placement, and this middle placement being approach from both sides in equal steps.
- (iv) And in general,  $N^2 = (0+1+2+3+\dots+(n-1)+n+n+1, n-2, 3+2+1+0)$  with  $n$  at its middle placement permit approach from both sides in equal steps.
12. One may have a pause here and take note that the above organization of value  $N^2$  is of  $(2N+1)$  steps.
  13. It would further be blissful to take note that, this is parallel to hyper cube  $n$  accepting  $2n+1$  version.
  14. Still further, it would be blissful to take note that the square value ( $N^2$ ) permits organization along the format of a interval, which permit fixation in terms of triple points, namely, the pair of end points and middle point of the intervals.
  15. One shall sit comfortably and to permit the mind to glimpse the above organization format, features of intervals accommodating square value(s).
  16. It is this feature of the interval accommodating square value, which deserves to be comprehended well for its through appreciation and its complete imbibing.
  17. With interval accommodating square value, the same at next steps will lead us to and will bring us face to face the cube value getting accommodating along the square format as  $N^3$  permit re-organization as  $N^2 \times N$
  18. One shall sit comfortably and the mind to glimpse and imbibe the above feature of formats of interval and square, sequentially accommodating square value and cube value respectively.
  19. Further, one may comprehend that the chase of cubes as geometric bodies sequence of values ( $1^3, 2^3, 3^3, 4^3 \dots$ ) can be sequentially approach for their internal structural set up of cube  $1^3$  as a single cube of structural component  $27 = 3^3$  with value 3 being parallel to 3 versions of hyper cube 1.
  20. Further, one may comprehend that cube  $2^3$  as 8 cubes of structural component  $125 = 5^3$  with value 5 being parallel to 5 versions of hyper cube 2.
  21. Still further, one may comprehend that cube  $3^3$  as 27 cubes of structural component  $343 = 7^3$  with value 7 being parallel to 7 versions of hyper cube 3.
  22. And in general, cube ( $N^3$ ) is a structural set up of  $(2N+1)^3$  with hyper cube  $n$  being of  $(2N+1)$  versions.
  23. It would be a blissful exercise to chase and to tabulate the above features of cubes ( $4^3, 5^3, 6^3$ ) being of structural components of ( $9^3, 11^3, 13^3$ ) value respectively parallel to (9, 11, 13) versions of (hyper cube 4, hyper cube 5, and hyper cube 6).
-

Total:	12	20	11	2
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**LESSON-24**

**SYNTHESIS OF CUBES AS SUB CUBES**

1. A cube is a structural set up of 8 corner points, 12 edges, 6 surfaces and 1 volume, together making it a set up of 27 structural components.
2. When 2 cubes of 27 structural components each are synthesized together with one of the surface plate being the common separating surface for both the cubes, it shall be dispensing with the structural components of one of the surface plate.
3. One surface plate is (a square) is a set up of 9 structural components namely 4 corner points, 4 edges and 1 surface area.
4. Therefore, a pair of cubes of 27 structural components each, together making a set of  $27+27 = 54$  structural components, on their synthesis will get reduced to a synthetic set up of a pair of cubes being of  $27+27-9 = 45$  structural components only.
5. It may be taken as that the first cube contributes its all the 27 structural components while the second cube to contribute only  $27-9 = 18$  components only.
6. This synthetic set up of a pair of cubes, as of 45 structural components will be of following classification for these structural components:

Cube	Corner points	Edges	Surfaces	Volume	Total
First	8	12	6	1	27
Second	4	8	5	1	18

7. Now when third cube is synthesized with the above set up of a pair of cubes, there would be a further contribution of 18 structural components by the third cube.
8. One may note that while third cube will be synthesizing itself with the above synthetic set up of a pair of cubes, the structural component of one of the surface plate will get dispensed with.
9. The resultant structural component of synthetic set up of 3 cubes would be as of  $27+18+18 = 63$  structural components accepting classification as under:

Cube	Corner points	Edges	Surfaces	Volume	Total
First	8	12	6	1	27
Second	4	8	5	1	18
Third	4	8	5	1	18
Total:	16	28	16	3	63

10. Now when one more cube, namely fourth cube would be synthesized with the above synthetic set up of 3 cubes, the contribution because of the fourth cube would be only of 12 structural components, as in this situation 2 of the surface plates will get dispensed with.
11. As a result, the synthetic set up of 4 cubes will make a set up of 75 structural components accepting following classification:

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Cube	Corner points	Edges	Surfaces	Volume	Fifth Total	4	8	5	1
					Sixth	2	5	4	1
First	8	12	6	1	Total:	27	24	46	29
Second	4	8	5	1					
Third	4	8	5	1					
Fourth	2	5	4	1					
Total:	18	33	20	4					

14. A step ahead, synthetic set up of 7 cubes, is going to be a structural set up of 117 structural components of following classification:

12. A step ahead, when fifth cube would be synthesized with the above synthetic set up of 4 cubes, it shall be contributing only 18 structural components and thereby making synthetic set up of 5 cubes being of  $75+18 = 93$  structural components accepting following classification:

Cube	Corner points	Edges	Surfaces	Volume	Sixth Total	2	5	4	1
					Seventh	2	5	4	1
First	8	12	6	1	Total:	27	26	51	33
Second	4	8	5	1					
Third	4	8	5	1					
Fourth	2	5	4	1					
Fifth	4	8	5	1					

Cube	Corner points	Edges	Surfaces	Volume	Sixth Total	2	5	4	1
					Seventh	2	5 <td>4</td> <td>1</td>	4	1
First	8	12	6	1	Total:	27	18	12	18
Second	4	8	5	1					
Third	4	8	5	1					
Fourth	2	5	4	1					
Fifth	4	8	5	1					
Total:	22	41	25	5					93

15. Finally, the synthetic set up of 8 cubes/sub cubes, as a cube shall be becoming a structural set up of 125 structural components accepting following classification:

13. A step ahead, synthetic set up of 6 cubes is going to be a structural set up of 105 structural components of following classification:

Cube	Corner points	Edges	Surfaces	Volume	Third Total	4	8	5	1
					Fourth	2	5	4	1
First	8	12	6	1	Fifth	4	8	5	1
Second	4	8	5	1	Sixth	2	5	4	1
Third	4	8	5	1	Seventh	2	5	4	1
Fourth	2	5	4	1	Eighth	1	3	3	1
Total:	27	54	36	8					

Cube	Corner points	Edges	Surfaces	Volume	Third Total	4	8	5	1
					Fourth	2	5	4	1
First	8	12	6	1	Fifth	4	8	5	1
Second	4	8	5	1	Sixth	2	5	4	1
Third	4	8	5	1	Seventh	2	5	4	1
Fourth	2	5	4	1	Eighth	1	3	3	1
Total:	27	54	36	8					

16. It would be blissful to take note that  $8 = 2^3$  number of cubes synthesize a structural set up of  $125 = 5^3$  number of structural components.
17. One may have a pause here that square as 2 space body as linear boundary of 4 components and this makes 5 versions of square parallel to presence of boundary components of (4, 3, 2, 1, 0) in number and it will help us acquire insight as to the feature of  $2^3$  number of cubes synthesizing a structural set up of  $5^3$  structural components.
18. It would be a blissful exercise to chase further as that  $3^3 = 27$  cubes shall be synthesizing a structural set up of  $7^3 = 343$  structural components.
19. Here it would be blissful to take note that cube; the representative regular body of 3-space accepts 7 versions.
20. A step ahead,  $4^3$  numbers of cubes synthesize a structural set up of  $9^3$  structural components and that 4 space body as 9 versions.
21. In general  $N^3$  cubes synthesize a structural set up of  $(2N+1)^3$  structural components. ■

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**9<sup>TH</sup> SUB CUBE, 65<sup>TH</sup> SUB-SUB CUBE**

This day the course focus is upon ‘9<sup>th</sup> sub cube, 65<sup>th</sup> sub-sub cube’. It four folds aspects being taken up are as follows:

25. Ninth sub cube, sixty-fifth sub-sub cube, ...
26. Right angle triangle (3, 4, 5, 6).
27. Perfect numbers (6, 28, 496, 8128).
28. Difference values sequence of linear and spatial dimensional synthesis values.

The values being covered are to be taught as lessons numbers 25 to 28 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-25**

**NINTH SUB CUBE AND SIXTY-FIFTH SUB-SUB CUBE**

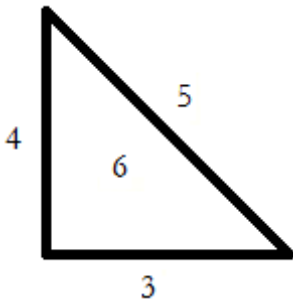
1. Cube splits into 8 sub cubes.
2. Each sub cube further split into 8 sub-sub cubes.
3. Of these  $8 \times 8 = 64$  sub-sub cubes of 8 sub cubes of cube lead to a class of 8 sub-sub cubes as the inner most sub-sub cubes of the sub cubes.
4. Of this class of 8 sub cubes, only one sub-sub cubes of this class belongs to a distinct sub cube.
5. The volume of each sub cube is equal to  $1/8^{\text{th}}$  of the volume of the cube.
6. Volume of each sub-sub cube is  $1/8^{\text{th}}$  of the volume of the sub cube.
7. As such, the volume of each sub-sub cubes is  $1/64^{\text{th}}$  of the volume of the cube.
8. As such, the volume of 8 sub-sub cube is equal to  $8/64^{\text{th}}$  part of volume of the cube.

9. One may have a pause here and take note that the volume of 8 inner most sub-sub cube is equal to  $1/8^{\text{th}}$  of the volume of the cube, and as such it is equal to the volume of sub cube.
10. One may have a pause here and take note that it is this feature of inner most 8 sub-sub cube beings of volume equal to the volume of sub cube, which makes these 8 inner most sub-sub cubes, together as the 9<sup>th</sup> sub cube.
11. Likewise, 64 sub-sub cubes lead to  $64 \times 8 = 512$  sub-sub-sub cubes.
12. Of these, 512 sub-sub-sub cubes, the inner most eight sub-sub cubes, together make a volume equal to the volume of one sub-sub cubes.
13. This feature of inner most eight sub-sub cubes together being of volume equal to the volume of one sub-sub cubes, which makes these innermost 8 sub-sub cubes being the 65<sup>th</sup> sub-sub cubes of the cube.
14. One may have a pause here and that taking this feature, the structural set up of cube will bring us face to face with the emerging value being  $65 \times 8 = 520$ .
15. One may have a pause here and take note that the text of 16 Ganita Sutras and 13 Ganita Upsutras together make a text of 519 letters which together with the sole syllable Om as the source syllable makes the total text of Ganita Sutra and upsutras being of 520 letters parallel to the range of sub-sub-sub cubes of 65 sub-sub cubes of cube.
16. It would further be blissful to take note that the text of Shakla Rig Ved Samhita being a scripture 8 Ashtaks

and 64 chapters, and the basis base mathematics text of Ganita Sutra and upsutras being of the range of 520 letters parallel to the range of sub-sub-sub cubes of 65 sub-sub cubes of the cube.



**LESSON-26**  
**RIGHT ANGLE TRIANGLE (3, 4, 5, 6)**



1. Triangle is printout of solid order (3-space in the role of dimension of 5-space) set up.
2. Right angle triangle (3, 4, 5, 6) is the print out of hyper cube 5, the representative regular body of 5-space of solid order within creative space of spatial order (2-space in the role of dimension of 4-space).
3. The right angle triangle (3, 4, 5, 6) is of sides of 3, 4 and 5 unit respectively, and of area of 6 area units.
4. This is a unique set up as that the sides and area unit are of consecutive quadruple whole numbers values.
5. It is this feature of this right angle triangle which deserves to be comprehended well for its through appreciation and complete imbibing, as it is this comprehension, appreciation and imbibing, that it

- shall be acquiring proper insight and appropriate enlightenment of the systems of Vedic mathematics, science and technology of solid dimensional order (3-space in the role of dimension of 5-space).
6. The right angle triangle (3, 4, 5, 6) deserves to be chased for each of its quadruple components.
  7. Number value 3, 3-space and solid dimensional order deserves to be approached simultaneously.
  8. Number value 4, 4-space and creative boundary (4-space in the role of boundary) deserves to be chased simultaneously.
  9. Number value 5, 5-space and transcendental domain (5-space domain) deserves to be chased simultaneously.
  10. Number value 6, 6-space and self referral origin (6-space in the role of origin) deserves to be chased simultaneously.
  11. It would be relevant to take note that value pair (3, 5) are of the format of 3-space in the role of dimension of 5-space.
  12. Likewise, values pair (4, 6) is of the format of 4-space in the role of dimension of 6-space.
  13. It would further be blissful to take note that  $3 \times 5 = 15$  and  $4 \times 6 = 24$  are parallel to the dimensional frames values of 5-space and 6-space respectively.
  14. Further as that, the values pair (15, 24) as end values, cover values range 16 to 23 and values 16 is parallel to transcendental code value of formulation *ligam* and number value 23 is parallel to transcendental code value of formulation *murti*.

## Transcendental content

15. It would be blissful to take note that the transcendental Lord Shiv, is the over lord of 5-space and Lord Shiv is the only lord who permits worship in the forms of *lig* and *murti*.
16. It would further be blissful to take note that value quadruple (3, 4, 5, 6), has outer covering as a value pair 3, 6 of summation value 9 and product value 18.
17. The inner cover of this quadruples value is (4, 5) with summation value  $4+5 = 9$  and product value  $4 \times 5 = 20$ .
18. It would be blissful to take note that the values pair 18, 20 is of the format of 18 as dimension and 20 as domain and further as that  $18 = 9+9$  leads to and brings us face to face with the permissible split for the dimensional frame.

### LESSON 27

#### PERFECT NUMBERS (6, 28, 496, 8128)

##### 1. Perfect number

Perfect number is defined as that the natural number which is equal to the sum of all of its proper divisors.

##### 2. Perfect number 6

- (i) Number value 6 accepts re-organization as  $6 = 1+2+3 = 1 \times 2 \times 3$ .
- (ii) This feature of number value 6 makes it a unique as here in this case the sum and product of its all proper divisor (1, 2, 3) is equal.
- (iii) The feature, that  $6 = 1+2+3$  makes it a perfect number and

the feature  $6 = 1+2+3 = 1 \times 2 \times 3$ . makes it a unique perfect number.

- (iv) This organization of number value 6 bring to focus it has three proper division and number value 3 is the biggest prime proper divisor of 6.

##### 3. Perfect number 28

- (i) Number value 28 as five proper divisors namely (1, 2, 4, 7, 28).
- (ii)  $28 = 1+2+4+7+14$  makes number value 28 a perfect number
- (iii) The features of number value 28 are that it accepts 5 proper divisors and number value 7 is the biggest prime proper divisor.

##### 4. Perfect number 496

- (i) Number value 496 accepts 9 proper divisors namely (1, 2, 4, 8, 16, 31, 62, 124, 248).
- (ii)  $496 = 1+2+4+8+16+31+62+124+248$  and this feature make number value 496 as a perfect number.
- (iii) The features of 496 as perfect number are that it has 9 proper divisor and 31 is the biggest prime proper divisor.

##### 5. Perfect number triple (6, 28, 496)

Feature of perfect number triple brings us face to face with the interrelationship of these numbers values as follows:

- (i) Number of proper divisor of triple is (3, 5, 9), which bring us face to face with the following features:
  - (a) The values triple (3, 5, 9) brings us within the range of



- 9 numerals of ten place value system.
- (b) Further as that, number value 5 is of the middle placement of numeral range 1 to 9 of 10 place value systems.
- (c) Number value 3 is of the middle placement of 5 numeral range of 6 place value system.
- (ii) The biggest prime proper divisor triple (3, 7, 31) brings us face to face with the following feature:
- (a) Number value 3 is parallel to 3-space (body) / cube.
- (b) Number value 7 is parallel to 7 versions of cube.
- (c) Number value 31 is parallel to 31 structural components of cube.
- differences sequence (-1, -1, 0, 2, 5, 9, 14, --) is a sequence of difference values of its consecutive values entities being (0, 1, 2, 3, 4, 5, 6, 6).
5. This feature deserves to be comprehend well for its through appreciation and complete imbibing, as it is parallel to the set of non negative whole number.
6. For the present, it be taken that this value sequence is responsible for the values difference between any pair of sequences of consecutive order dimension synthesis remaining constant as is the feature in respect of dimensions of linear order and dimensions of spatial orders reached at above.

## LESSON 28

### DIFFERENCE VALUES SEQUENCE OF LINEAR AND SPATIAL DIMENSIONAL SYNTHESIS VALUES

1. Synthesis values of single, double, triple, quadruple and higher number of linear dimensions comes to be (1, 3, 6, 10, 15, ---).
2. Synthesis values of single, double, triple, quadruple and higher number of spatial dimensions comes to be (2, 4, 6, 8, 10, 12, ---).
3. Values differences sequence of above pair of synthesis sequences comes to be (-1, -1, 0, 2, 5, 9, 14, --).
4. One may have a pause here and take note that the above values

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**TRANSCENDENCE RANGES AND DOMAIN SPLIT SPECTRUM**

This day the course focus is upon ‘transcendence ranges and domain split spectrum’. It four folds aspects being taken up are as follows:

- 29. Transcendence ranges synthesis values sequence (... , -35, -24, -13, -2, 9, 20, 31, 42, 53 ...).
- 30. 3-space domain split during transcendence during domain.
- 31. Revisit Cube
- 32. Revisit Interval, Square and cube.

The values being covered are to be taught as lessons numbers 29 to 32 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-29**

**TRANSCENDENCE RANGES SYNTHESIS VALUES**

**SEQUENCE (... , -35, -24, -13, -2, 9, 20, 31, 42, 53 ...).**

- 1. Transcendence range is a five folds range.
- 2. A pair of transcendence ranges of same order synthesized by accepting synthesis glue equal to the value of the order of these transcendence ranges.
- 3. Illustratively the pair of transcendence ranges (1, 2, 3, 4, 5) and (1, 2, 3, 4, 5) of summation value 15 each, accept transcendence synthesis glue value (1) and grand synthesis value of this pair of

transcendence ranges comes to be  $15 + 1 + 15 = 31$

- 4. In general, the transcendence ranges pair  $(n, n + 1, n + 2, n + 3, n + 4)$  accept synthesis value =  $11n + 20$ .
- 5.  $N = ---, -6, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, ---$  leads to synthesis values sequence  $(---, -68, -57, -46, -35, -24, 13, -2, 9, 20, 31, 42, 53, 64, ---)$
- 6. This value sequence  $(---, -68, -57, -46, -35, -24, 13, -2, 9, 20, 31, 42, 53, 64, ---)$  is designated as a sequence of synthesis value of pair of transcendence ranges of the same order, in short, a sequence of synthesis values of a pair of transcendence ranges.
- 7. One may have a pause here and take note that synthesis value 31 is of linear order 3-Space, which manifests as hyper cube 3 / cube.
- 8. One may have a pause here and take note that cube is a set up of 31 structural components, namely (8 corner points, 12 edges, 6 surfaces, 1 domain, 3 axes and 1 origin).
- 9. One shall glimpse these features for proper appreciation and complete imbibing thereof.
- 10. The structural set up of cube, parallel to the synthesis of the pair of linear order, transcendence ranges, deserves to be properly comprehended for its through appreciation and for complete imbibing thereof.
- 11. A step ahead, the synthesis value 42 accepts re-organization as  $42 = 21 + 21 = (1 + 2 + 3 + 4 + 5 + 6) + (1 + 2 + 3 + 4 + 5 + 6)$
- 12. One may have a pause here and take note that the six steps long  $(1 + 2 + 3 + 4 + 5 + 6)$  amounts to

transcendence from five steps long range (1 + 2 + 3 + 4 +5 + 6) for reach at (1 + 2 + 3 + 4 +5 + 6).

13. This is a feature of spatial order 4-Space (2-Space in the role of dimension of 6-Space).
14. It would be relevant to take note that 6-Space has 4-space as dimension and 4-Space has 2-space as dimension.
15. These features deserve to be comprehended well for the proper appreciation and complete imbibing thereof.

### LESSON-30

#### 3-SPACE DOMAIN SPLIT DURING TRANSCENDENCE

1. 3-Space domain is a linear order domain (1-Space plays the role of dimension of 3-space).
2. Pair of linear dimensions have synthesis value  $(1, 1) = 3$ .
3. As such, split of 3-space domain leads to a pair of 1-space domains (parallel to a pair of linear dimensions) and 'dimension of dimension' of 1-space.
4. It is this feature as that during split of 3-Space domain, there also emerges a release of dimension of dimension, which deserves to be comprehended well.
5. One may have a pause here and take note that during first stage split of 3-Space domain, there emerges a spectrum of the pair of 1-space domains.
6. And also there emerges (-1) space domain as well.

7. At next stage of split, the pair of 1-space domains shall be leading to the spectrum of a pair of (1-space domains) in each case.
8. That way there would become available, as many as a spectrum of five entities of (-1-Space domains).
9. Simultaneously, also would be a release of pair of streams of dimensions of dimensions of 1-Space domains.
10. One may have a pause here and to properly comprehend and to imbibe the features of 3-space domains split spectrum at its first stage being of a pair of entities of 1-Space domain and at the second stage, there being a spectrum of as many as 5 entities of (-1) space domains.
11. One may further have a pause here and take note that the basic domain split feature is that domain splits into a pair of domains of dimensional order and also there happens to be a release of one stream of values of dimension of dimension of the domain itself.
12. This feature at first split stage leads to a spectrum of two entities and a release of one stream of dimension of dimension order
13. And at second step stage, there emerges a spectrum of five entities of previous stage domains and along with them, there also emerges a pair of streams of value of dimension of dimension of such previous stage domains.
14. Accordingly, at third stage there emerges spectrum of 12 domains of dimension of dimension order of previous stage domains and in addition thereto there also emerge

## Transcendental content

five streams of order of dimension of dimension of those domains.

15. It would be blissful to take note that the sequential split spectrum comes to be of entities (1, 2, 5, 12, 29, 70, --) and parallel to it also emerges a sequence of flow streams of values of dimension of dimension (0, 1, 2, 5, 12, 29, -).
16. One may have a pause here and take note that initial start with stage of split spectrum it is taken to be of one domain entity and zero streams.
17. The first split is of two entities and one flow stream.
18. And at second stage the spectrum is of five entities and also there is a pair of flow streams.
19. One shall comprehend and imbibe the values of domain split spectrum, in reference to any domain (n), which shall be sequentially leading to n domain to (n-2) domain to (n-4) domain and so on.
20. This split phenomenon of domain is designated as transcendence within the domain.
21. Transcendence within the domain takes from dimension to domain and then from dimension to dimension, and so on.
22. In case of n being odd, there happens a reversal of orientation during transcendence from 1-Space to -9-Space,
23. However in case of n being even the reversal takes place from 0-space to -2-Space.
24. One may have a pause here and take note that with reversal of orientation, the transcendence avails a parabolic format.

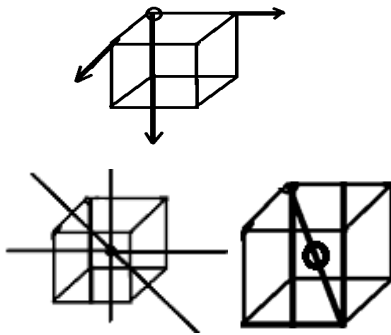
25. It is this format of transcendence within domain, which deserve to be comprehended well for its thorough apprehension and for its complete imbibing to acquire proper insight and to attain appropriate enlightenment. ■

### LESSON – 31 REVIST THE CUBE



1. Cube is a representative regular body of 3-space.
2. It is a regular body as here no axis is preferred over any other axis.
3. Cube has a geometric envelop stitched by 8 corner points, 12 edges and 6 surfaces making it a set up of  $8 + 12 + 6 = 26$  structured components.
4. Volume of the cube as one another structural components makes the total structural components being  $26 + 1 = 27$ .
5. Number value 27 accepts re-organization as  $27 = 3 \times 3 \times 3 = 3^3$ .
6. Corner points are of 'zero volume, zero area and zero length'.
7. Edges are of 'zero volume and zero area'.
8. Surface plates are of 'zero volume'.
9. Volume avails all the three axes.
10. Surface avails a pair of axes.
11. Edge avails a single axis.
12. Corner points are devoid of all the axes.

13. Each corner points are a meeting point three edges.
14. Each surface is enveloped by four edges.
15. Volume is enveloped by geometric envelope stitched by 8 corner points, 12 edges and 6 surfaces.
16. Cube accepts 4 internal diagonals.
17. These internal diagonals meet at a point designated as center of the cube.



18. In each corner point meet three edges, which also play as axis.
19. At center of the cube can be embedded a dimensional frame of three axes.
20. These three axes and center of the cube as origin of three dimensional frames make a set of 4 structural components.
21. These four structural components (three axes and fourth origin / center) together with other 27 structural components of the set up of the cube (8 corner points, 12 edges, 6 surfaces and 1 volume) together make out a set up of 31 structural components.
22. These 31 structural components together with 4 internal diagonals make out an extended set up of  $31 + 4 = 35$  structural components.

■

**LESSON-32**

**REVISIT INTERVAL, SQUARE AND CUBE:**

1. 3 dimensional frame structures space.
2. So structured space in terms of 3 dimensional frame of 3 axes lines is designated as a 3 space set up.
3. Cube is the structured body of this 3 space.
4. 3 axes sequentially structure interval, square and cube.
5. This sequential structuring by 3 axes is a sequential structuring of 3-space.
6. These 3 space structures become the structures within cube itself.
7. It leads to sequential reach of structured cube within a cube.
8. Single axis formats interval.
9. Pair of axis format square.
10. Cube is formatted by all the 3 axes.
11. Interval has length ( $A^1$ ) and a pair of end point ( $2A^0$ ).
12. These together make a set up ( $A^1 + 2A^0$ )<sup>1</sup>.
13. Square has area ( $A^2$ ), 4 boundary lines ( $4A^1$ ) and 4 corner points ( $4A^0$ ).
14. These structural components of square make a set up  $(A^2 + 4A^1 + 4A^0) = (A^1 + 2A^0)^2$ .
15. Structural component of cube are volume ( $A^3$ ), 6 surface plates ( $6A^2$ ), 12 edges ( $12A^1$ ) and 8 corner points ( $8A^0$ ).
16. This structural set up leads to  $(A^3) + (6A^2) + (12A^1) + (8A^0) = (A^1 + 2A^0)^3$ .
17. These structural components set ups of interval, square and cube accept common value formula  $(A^1 + 2A^0)^n$ ,  $N = 1 + 2 + 3$ .
18. It would be interesting to note that cube structured within a cube will itself further accept another cube to be structured within it.
19. And this sequence may continue infinitely.
20. Likewise the square within a cube as well permit structuring of a square inside it.
21. And a step ahead there would be a reach for a structured square within the structured square within square within cube.
22. And this sequence as well may continue infinitely.
23. Likewise would be a situation in respect of intervals within a cube as well.
24. This will lead us to infinite sequence of intervals, squares and cubes within cube.



## 9

**STRUCTURED POINTS**

This day the course focus is upon ‘Structured points’. It four folds aspects being taken up are as follows:

33. Points of interval, square and cube

34. Concept of structured point

35. Dual status of centre of a cube

36. Revisit Synthesis of 2, 4 & 8 cubes/

8 sub cubes as a cube.

The values being covered are to be taught as lessons numbers 33 to 36 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-33****POINTS OF INTERVAL SQUARE AND CUBE**

1. Point of interval has length, howsoever small it may be.
2. Point of a square has area howsoever small it may be.
3. Point of a cube has volume howsoever small it may be.
4. Line within a cube is a set up of points of a cube.
5. Square within a cube is a set up of the point of the cube.
6. This will help us distinguish points of interval within cube and of an interval outside the cube.
7. Likewise, it will also help us distinguish point of a square within a cube from that of a square outside the cube.
8. Likewise the point of interval within square is distinguishable from the point of interval outside the square.

9. Further interval provides a format for setting of the points devoid of length.

10. Likewise square provides a format for setting of points devoid of area, as well as devoid of length.

11. Cube provides a format for setting of points devoid of volume, as well as devoid of area and also devoid of length.

12. It would be a blissful exercise to distinguish interval as a format for setting of points devoid of length from the interval as the set up of points imbedded with length, howsoever small the same may be.

13. A step ahead, it would be a blissful exercise to distinguish square as a format for setting of points of interval devoid of area from that of a square as a set up of points imbedded with area howsoever small it may be.

14. And further it would also be a very blissful exercise to distinguish cube as a format for setting of surface plates devoid of volume from that of cube as a set up of point imbedded with volume howsoever small the same may be. ■

**LESSON-34****CONCEPT OF STRUCTURED POINT**

1. The concept of a structured point is the basic concept.
2. Point of a line is imbedded with the structures of a line.
3. The point of square is imbedded with the structures of an area.
4. Point of cube is imbedded with the structures of volume.

## Transcendental content

5. Point devoid of structures of volume is not the point of cube
6. Point devoid of structures of area is not a point of square.
7. Point devoid of structures of length is not a point of an interval.
8. A point devoid of structures of volume, area and length may be designated as a void point or a point simpliciter, outside the 3 dimensional frames.
9. Point within a 3 dimensional frame may get fulfilled with structures because of a single axis and by a pair of axes and even due to the presence of all the 3 axes.



### LESSON-35

#### DUAL STATUS OF CENTRE OF A CUBE

1. Centre of the cube is uniquely placed being at an equal distance from all the corner points of the cube.
2. This unique placement of centre distinguishes it from all other points of the cube.
3. This uniqueness makes centre to be of a dual status, firstly like all other points of the cube and secondly because of its uniqueness from all other points of the cube.
4. Centre of the cube is the collapse point of all the corner points of the cube.
5. In fact centre is the collapse point of the cube itself.
6. Cube is the seat of inner most corner points of all 8 sub cubes of the cube.
7. This way centre of the cube gets enveloped by super imposition of the inner most corner point of the sub cubes.
8. This makes 9 point fixation for the centre of the cube.
9. Placement space of the centre of the cube with its enveloping by 8 inner most corner points of sub cubes makes centre of the cube as a placement seat devoid of the structures of the cube points.
10. This status of the centre of the cube as placement seat of space beneath the centre as point of the cube brings to focus the nature of dual status of the centre of the cube.
11. This makes status of centre of the cube being parallel to the status of origin of dimensional frame of 3-space and also further being parallel to that of the origin of 3-space itself as well.
12. It brings to focus the feature of seat of centre of cube being enveloped within a solid boundary of 8 components (sub cubes of the cubes) itself.
13. Cube itself is enveloped by 6 surface plates.
14. Each surface plates of cube is enveloped by 4 intervals (edges) as boundary line of a square.
15. Each edge is bounded by a pair of end points (corner points).
16. It makes a blissful sequence that edges are bounded by a pair of corner points, surface plates are bounded by 4 edges, volume of the cube is enveloped by 6 surface plates and centre of the cube is enveloped by 8 sub cubes.
17. It would be blissful to comprehend and imbibe this feature of pair of end points, 2 pairs of boundary



lines, 3 pairs of surfaces and 4 pairs of solids (sub cubes). All marking their presence simultaneously in the structural set up of the cube as the representative regular body of 3-space within a 3 dimensional frame of 3 axes.

18. It would be blissful to take note that these sequential values of 2 points, 4 lines, 6 surfaces and 8 solids at the boundary in fact are sequentially taking us to interval as 1 space body of single axis format, surface as a 2 space body of a pair of axes format, cube as a 3 space body of 3 axes format and ahead there being a 4 space body accepting solids at its boundary, while solid itself is accepting surfaces at its boundary and surfaces are accepting lines at their boundary and lines themselves are accepting points at their boundary.
19. It is blissful that, that way, we have reached a step ahead of solids, a step which takes us in a space ahead of 3-space.



**LESSON-36**  
**REVISIT SYNTHESIS OF 2, 4 & 8**  
**CUBES /**  
**8 SUB CUBES AS A CUBE**

22. A cube is a structural set up of 8 corner points, 12 edges, 6 surfaces and 1 volume, together making it a set up of 27 structural components.
23. When 2 cubes of 27 structural components each are synthesized together with one of the surface plate being the common separating surface for both the cubes, it shall

be dispensing with the structural components of one of the surface plate.

24. One surface plate is (a square) is a set up of 9 structural components namely 4 corner points, 4 edges and 1 surface area.
25. Therefore, a pair of cubes of 27 structural components each, together making a set of  $27+27=54$  structural components, on their synthesis will get reduced to a synthetic set up of a pair of cubes being of  $27+27-9=45$  structural components only.
26. It may be taken as that the first cube contributes its all the 27 structural components while the second cube to contribute only  $27-9=18$  components only.
27. This synthetic set up of a pair of cubes, as of 45 structural components will be of following classification for these structural components:

Cube	Corner points	Edges	Surfaces	Volume
First	8	12	6	1
Second	4	8	5	1
Total:	12	20	11	2

28. Now when third cube is synthesized with the above set up of a pair of cubes, there would be a further contribution of 18 structural components by the third cube.
29. One may note that while third cube will be synthesizing itself with the above synthetic set up of a pair of cubes, the structural component of

### Transcendental content

one of the surface plate will get dispensed with.

30. The resultant structural component of synthetic set up of 3 cubes would be as of  $27+18+18= 63$  structural components accepting classification as under:

Cube	Corner points	Edges	Surfaces	Volume	Total
First	8	12	6	1	27
Second	4	8	5	1	18
Third	4	8	5	1	18
Total:	16	28	16	3	63

structural components and thereby making synthetic set up of 5 cubes being of  $75+18 = 93$  structural components accepting following classification:

Cube	Corner points	Edges	Surfaces	Volume	Total
First	8	12	6	1	27
Second	4	8	5	1	18
Third	4	8	5	1	18
Fourth	2	5	4	1	12
Fifth	4	8	5	1	18
Total:	22	41	25	5	93

31. Now when one more cube, namely fourth cube would be synthesized with the above synthetic set up of 3 cubes, the contribution because of the fourth cube would be only of 12 structural components, as in this situation 2 of the surface plates will get dispensed with.

32. As a result, the synthetic set up of 4 cubes will make a set up of 75 structural components accepting following classification:

Cube	Corner points	Edges	Surfaces	Volume	Total
First	8	12	6	1	27
Second	4	8	5	1	18
Third	4	8	5	1	18
Fourth	2	5	4	1	12
Total:	18	33	20	4	75

34. A step ahead, synthetic set up of 6 cubes is going to be a structural set up of 105 structural components of following classification:

Cube	Corner points	Edges	Surfaces	Volume	Total
First	8	12	6	1	27
Second	4	8	5	1	18
Third	4	8	5	1	18
Fourth	2	5	4	1	12
Fifth	4	8	5	1	18
Sixth	2	5	4	1	12
Total:	24	46	29	6	105

35. A step ahead, synthetic set up of 7 cubes is going to be a structural set up of 117 structural components of following classification:

Cube	Corner points	Edges	Surfaces	Volume	Total
First	8	12	6	1	27

33. A step ahead, when fifth cube would be synthesized with the above synthetic set up of 4 cubes, it shall be contributing only 18

Second	4	8	5	1	18
Third	4	8	5	1	18
Fourth	2	5	4	1	12
Fifth	4	8	5	1	18
Sixth	2	5	4	1	12
Seventh	2	5	4	1	12
Total:	26	51	33	7	117

number of cubes synthesizing a structural set up of  $5^3$  structural components.  
 39. It would be a blissful exercise to pause further as that,  $(3^3 = 27)$  cubes shall be synthesizing a structural set up of  $(7^3 = 343)$  structural components.

36. Finally the synthetic set up of 8 cubes/sub cubes, as a cube shall be becoming a structural set up of 125 structural components accepting following classification:

40. Here it would be blissful to take note that cube; the representative regular body of 3-space accepts 7 versions.

41. A step ahead,  $4^3$  numbers of cubes synthesize a structural set up of  $9^3$  structural components and that 4 space body as 9 versions.

Cube	Corner points	Edges	Surfaces	Volume	Total
First	8	12	6	1	27
Second	4	8	5	1	18
Third	4	8	5	1	18
Fourth	2	5	4	1	12
Fifth	4	8	5	1	18
Sixth	2	5	4	1	12
Seventh	2	5	4	1	12
Eighth	1	3	3	1	8
Total:	27	54	36	8	125

42. In general  $N^3$  cubes synthesize a structural set up of  $(2N+1)^3$  structural components.

37. It would be blissful to take note that  $8 = 2^3$  number of cubes synthesize a structural set up of  $125 = 5^3$  number of structural components.

38. One may have a pause here that square as 2 space body as linear boundary of 4 components and this makes 5 versions of square parallel to presence of boundary components of (4, 3, 2, 1, 0) in number and it will help us acquire insight as to the feature of  $2^3$



**10**

**DIAGONALS AS TRANSLATION PATHS FOR DIMENSIONAL FRAMES IMBEDDED IN CORNER POINTS OF CUBE**

This day the course focus is upon ‘diagonals as translation paths for dimensional frames imbedded in corner points of cube’. Its four folds aspects being taken up are as follows:

41. Diagonals as translation paths for dimensional frames imbedded in corner points of cube
42. Synthesis of 2, 3 & 4 squares/quarter squares of a square
43. Concept of Triloki
44. Concept of Trimurti

The values being covered are to be taught as lessons numbers 37 to 40 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-37**

**CHASE DIAGONALS AS TRANSLATION PATHS FOR DIMENSIONAL FRAMES IMBEDDED IN CORNER POINTS OF CUBE**

1. In each corner point of a cube is imbedded a 3 dimensional frame of half dimension.
2. The orientation of all the  $8 \times 3 = 24$  (Half axes) is inward towards centre of the cube.
3. These 8 three dimensional frames (Half dimension) are coordinated in 4 pairs by the 4 internal diagonals of the cube.
4. Diagonal is a translation path for the pair of 3 dimensional frames of half dimensions imbedded in the end points of the diagonals (being the corner points of a cube).

5. The 3 dimensional frames imbedded in the end points of the diagonal translate inward towards centre of the cube along the coordinating diagonal as the translation path.
6. The pair of 3 dimensional frames, while during translation, their origins reach at centre of the cube, this pair of 3 dimensional frames of half dimensions synthesize in to a 3 dimensional frames of full dimensions.
7. This way there get synthesized quadruple number of 3 dimensional frames of full dimensions.
8. These quadruple 3 dimensional frames of full dimensions together with a 3 dimensional frames already available with its origin super imposed upon the centre of the cube, makes a set up of 5 three dimensional frames with their origins at centre of the cube.
9. It would be relevant to take note that at centre of the cube is the seat of 4-space.
10. And 4 space body has 9 versions parallel to 9 geometries range of 4 space of which 5 are non-negative signatures, and at the same time 5 are of non-positive signatures.
11. This makes 10 directional flows parallel to 10 directional translations permissible as along pair of orientations of quadruple diagonals and as along upward and downward orientation of the 3 dimensional frames with origin at the centre.
12. This feature of 10 directional translation paths and a set up of  $3 \times 5 = 15$  dimensional frames

available at centre of the cube deserves to be comprehended well.

13. The finding factor (  $3/2$  ) coordinating values pair ( 10, 15 ) is parallel to the coordinating factor of the structural contribution by the cubes ( 27, 18, 12, 8 ) diminishing as values ( 9, 6, 4 ) being of the feature  $4 \times 3/2 = 6$  ,  $6 \times 3/2 = 9$  .
14. It would be blissful to take note that this is a progression factor for reach from value 2 to value 3 with  $3 = 2 \times 3/2$ .

square is going to be of 9 structural components, however, in respect of the second square this contribution is to remain only of 6 structural components.

6. The third and fourth quarter squares contribution in the synthetic set up is going to be 6 and 4 structural components respectively. It would be blissful to take note that the values triple (9, 6, and 4) accept coordinating factor (3/2).

### LESSON-38

#### REVIST SYNTHESIS OF 2, 3 & 4

#### SQUARES/

#### QUARTER SQUARES OF A SQUARE

1. It would be a blissful exercise to chase sequential synthesis of 2, 3 & 4 squares/quarter squares of a square.
2. It would be relevant to take note that square is a set up of 9 structural components in all of which 4 are corner points, 4 are boundary lines and 1 is surface area.
3. When one square synthesizes with another square, one of the edges gets dispensed with as there being a common edge during the synthetic set up for a pair of squares.
4. This would amount to dispensing with 3 structural components because of edge and its pair of end points getting super imposed upon another edge and its corner points.
5. This way while the contribution for this synthetic set up by the first

### LESSON-39

#### CONCEPT OF TRI-LOKI

1. Tri-Loki literally means *Tri* (three) *Loki* (spaces).
2. Conceptually, Tri-Loki is the Existence Phenomenon of 3-spaces set up within 3-space itself.
3. 3-spaces set up within 3-space, in its manifested form is the existence of interval, square and cube within a cube.
4. It may accepted as a definition as that interval is the manifested body of 1-space, square is the manifested body of 2-space and cube is the manifested body of 3-space.
5. It shall be bringing us face to face with parallel format of 1-space, interval and of one axis of 3 dimensional frame.
6. Further as that, 2-space, square and a pair of axes of 3 dimensional frames are of parallel format features.
7. Still further, 3-space, cube and the set up of all the three dimensions of 3

## Transcendental content

dimensional frame beings of same format features.

8. One shall sit comfortably and to visit and to revisit set ups of interval within cube and of interval outside the cube.
9. Likewise, one shall visit and revisit the set ups of a square within cube and outside a cube.
10. Interval within a cube shall be a set up of points of 3-space contents.
11. Likewise, the square within a cube as well is going to be a set up of points of 3-space contents.
12. One may have a pause here and to comprehend the distinguish feature of an interval as a set up of points of 1-space content from that of the set up of points of 3-space contents.
13. Likewise, one shall comprehend the distinguish feature of the set up of square being of points of 2-space content form that of the set up of points 3-space contents.
14. It would further be blissful to comprehend the distinguishing feature of outer and inner cube.
15. The outer cube is having enveloping boundary which is a synthetic set up of 8 corner points, 12 edges and 6 surfaces.
16. While on the other hand inner cube is a 3 space content lump within a bigger 3-space content.
17. One shall sit comfortably and permit the transcending mind to fully glimpse and to completely imbibe the above distinguishing features of the set up of interval, square and cube within a cube from those of interval square and cube outside the cube. ■

**LESSON-40**

**CONCEPT OF TRI-MURTI**

**TRI-MURTI**

1. 'Brahma, Shiv and Vishnu' together are designated as 'Tri-Murti).
2. Idols of Brahma, Shiv and Vishnu are of features in manifested forms of 'Brahama, Shiva and Vishnu' respectively.
3. The features of Idols of Brahama, Shiv and Vishnu lead us to the features of values of 4, 5, and 6-space bodies.
4. These 4, 5 and 6-space bodies are in continuity of 1, 2 and 3-space bodies values.
5. Interval, square and cube are the bodies of 1, 2, and 3-space respectively.
6. The bodies of 1, 2, 3, 4, 5 and 6-space are designated as hyper cubes 1, 2, 3, 4, 5 and 6 respectively.
7. Hyper cubes 1, 2 and 3 together make 'Tri-Loki'.
8. Hyper cubes 4, 5 and 6 together make 'Tri-Murti'.

**DOMAIN BOUNDARY RATIO**

1. Hyper cube 1 (interval) is of a structural set up which accepts domain boundary ratio as  $a^1:2b^0$ .
2. Hyper cube 2 (square) is of a structural set up which accepts domain boundary ratio as  $a^2:4b^1$ .
3. Hyper cube 3 (cube) is of a structural set up which accepts domain boundary ratio as  $a^3:6b^2$ .
4. One may have a pause here and take note that hyper cubes 1, 2 and 3 accept a common domain: boundary formulation  $a^N:2Nb^{N-1}$ ,  $N = (1, 2, 3)$ .

5. This as such makes  $a^N:2Nb^{N-1}$ ,  $N = (1, 2, 3)$  as a domain boundary formulation for Tri-Loki.

**DOMAIN BOUNDARY RATIO OF TRI-LOKI**

1. It would be blissful to take note that the above formulation  $a^N:2Nb^{N-1}$ ,  $N = (4, 5, 6)$  leads to domain boundary ratio of hyper cube 4, hyper cube 5 and for hyper cube 6 as well.
2. This, as such, makes formulation  $a^N:2Nb^{N-1}$ , as the common domain boundary ratio formulation for Tri-Loki (hyper cube 1, 2, 3) and also for Tri-Murti (hyper cube 4, 5, and 6).

**CUBE AS HYPER CUBE 3**

1. It would be blissful exercise to glimpse and to imbibe the features of values of the structural set up of cube of hyper cube as a 4 folds manifestation layer (1, 2, 3, 4)/(1-space as dimension, 2-space as boundary, 3-space as domain and 4-space as origin).
2. It would further be blissful to express cube as hyper cube 3 of 4 folds manifestation layer (1, 2, 3, 4) as a spatial case of  $(N, N+1, N+2, N+3)$  for  $N=1$ .

**4 FOLDS MANIFESTATION LAYER (N, N+1, N+2, N+3)**

1. It would be blissful to visit interval as hyper cube 1 of four folds  $(N, N+1, N+2, N+3)$  for  $N = -1$ .
2. It would further be blissful to visit square as hyper cube 2 of four folds  $(N, N+1, N+2, N+3)$  for  $N = 0$ .

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3. It would further be blissful to visit cube as hyper cube 3 of four folds  $(N, N+1, N+2, N+3)$  for  $N = 1$ .
4. It would further be blissful to visit 4-space body as hyper cube 4 of four folds  $(N, N+1, N+2, N+3)$  for  $N = 2$ .
5. It would further be blissful to visit 5-space as hyper cube 5 of four folds  $(N, N+1, N+2, N+3)$  for  $N = 3$ .
6. It would further be blissful to visit 6-space as hyper cube 6 of four folds  $(N, N+1, N+2, N+3)$  for  $N = 4$ .

### DIFFERENT ROLES OF 1-SPACE

1. 1-space plays the role of dimension of 3-space.
2. 1-space also plays the role of boundary of 2-space.
3. 1-space is a domain fold of hyper cube 1.

### GLIMPSE AND IMBIBE THE VALUES OF DIFFERENT ROLES OF 2-SPACE

1. Likewise, it would be blissful to glimpse and imbibe the values of different roles of 2-space.
2. 2-space plays the role of boundary of 3-space.
3. 2-space is domain fold of hyper cube 2.
4. 2-space plays the role of dimension of 4-space.

### GLIMPSE AND IMBIBE DIFFERENT ROLES OF 3-SPACE

1. Cube is the representative regular body of 3-space.
2. Solids are 3-space bodies.
3. 4-space as a solid boundary.
4. Glimpse and imbibe the role of 3-space as boundary of 4-space.





## 11

**3-SPACE & 3-SPACE CONTENTS**

This day the course focus is upon '3-space & 3-space contents'. It four folds aspects being taken up are as follows:

45. Space and space contents
46. Dynamic state solids within 3-space
47. Transition gaps values sequences of Linear order and spatial order synthesis values
48. Linear order and its negative linear order

The values being covered are to be taught as lessons numbers 41 to 44 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-41****SPACE AND SPACE CONTENTS**

1. Space is the 5<sup>th</sup> element.
2. First four elements are Earth, Water, Fire, Air.
3. These five elements 'Earth, Water, Fire, Air and Space' are the designated as punch Maha-bhut accepts transcendental code value 40.
4. The number value 40 is parallel to 40 coordinate fixations of creative boundary of transcendental domain (4-space) of ten components as boundary of transcendental domain.
5. Formulation 'Akash' accepts transcendental code value '8'.
6. One may have a pause here and to take note that  $40 = (5 \times 8)$ .
7. It would also be relevant to take note that formulation 'Ek' accepts transcendental code value '8'.

8. 5-space accepts a dimensional frame of 5 solid dimensions (3-space in the role of dimensions of 5-space).
9. Formulation 'Tray' as well accepts transcendental code value '8'.
10. Formulation 'Punch' accepts transcendental code value '15'.
11. One may have a pause here and to take note that the dimensional value of 5 solid dimensions (3-space as dimensions) leads to  $(3 \times 5) = 15$  values.
12. It would further be relevant to take note that 1-space play the role of dimension of 3-space, 2-space play the role of dimensions of 4-space, 3-space play the role of dimension of 5-space, 4-space play the role of dimensions of 6-space.
13. One may have a pause here and to take note that linear order four folds manifestation layer (1, 2, 3, 4) of hypercube 3 is of a summation value  $(1+2+3+4) = 10$ .
14. Further as that solid order manifestation layer  $(3+4+5+6)$  of hypercube 5 leads to summation value  $(3+4+5+6) = 18$
15. It is this relationship of hypercube 3 with hypercube 5 which deserves to be comprehended well to appreciate dimensionalization of space.
16. One of the basic features of this dimensionalization is that space as space content sequentially unfolds itself as a range of hyper cubes of simultaneously manifestation of 4 consecutive dimensional spaces contents illustratively 1-space (as 1-space contents), 2-space (as 2-space contents), 3-space (as 3-space contents), and 4-space (as 4-space contents) simultaneously manifests

## Transcendental content

as hypercube 3 with 1-space contents playing the role of linear dimension, 2-space contents playing the role of a spatial boundary, 3-space contents playing the role of a solid domain and 4-space contents playing the role of origin fold of hypercube 3.

17. In general hypercube N is a set up of a four folds manifestation layer (N-2) space being dimension fold, (N-1) space being boundary fold, (N-space) being domain fold, (N+1) space being its origin fold.
18. One shall sit comfortably and permit the transcending mind to glimpse space as a space content unfolding itself at creative boundary of transcendental domain as a manifested range of hypercube of 4 folds dimensional space contents.
19. One may further have a pause here and to take note that one of the basic feature of dimensional space (content) is that it distinctively place, at a time the role of a distinct fold of manifested creations as of hypercube formats.
20. It is this feature of space content deserves to be comprehended well.

■

### LESSON-42

#### DYNAMIC STATE SOLIDS WITHIN 3-SPACE

1. Ganita Sutra 11 '*Vyasti-samashti*' conceptually is the mathematical domain of 'part as a whole'. This amounts to acceptance of complete structure of a space domain within every constitutions of space domain.

2. Broadly it amounts to manifestation of a cube within a cube.
3. The chase feature of this domain is the dynamic state solid within 3-space.
4. Like that, a step head is going to be a dynamic state four space domain within 4-space itself.
5. In general dynamic state hyper cube n within hyper cube n domain is the general feature of Ganita Sutra 11.
6. Let us a paused here and to sequentially chased dynamic state solid within 3-space.
7. Step wise, this chase would be following feature:-  
Step 1:- Let cube is the representative regular body of 3-space. It has such accepts value '3'.  
Step 2:- The motion of cube along its axis (of linear order), will add value '1' and their by there would be a reach a value  $1+3 = 4$ .  
Step 3:- 3 dimensional frame is set up of 3 linear dimensions and such this dimensional frame contribute value  $3 \times 1 = 3$ . With this contribution, the value comes to be  $1+3+1 \times 3 = 7$ .  
Step 4:- The motion of solid would be towards all the three axes and their by the total value would come to be  $3 \times 7 = 21$ .
8. One may have pause here and take note that value 21 permits reorganization  $21 = 1+2+3+4+5+6$ .
9. A step head, as the cube is with a cube, as such it shall acquiring addition value '3', with which the grand summation value of a

dynamic state solid with a cube will take us to  $21+3 = 24$ .

10. One may have pause here and take note that value 24 accepts re-organization as  $24 = 3 \times 8$ , which is parallel to 24 coordinate of solid boundary of 8 component of hypercube 4.
11. Still further value  $24 = 6 \times 4$  will bring us face to face with the dimensional value of creative dimensional frame of self-referral domain.
12. One may have pause here and take note that the split of 3-space into 8 octants amount to release of 4 space at the centre of the cube and there would be transcendence of 12 edged cube which will manifest and additional edge 13 edge with an four space.
13. One may have pause here and take note that within 4-space, solid boundary of eight component will accepts coordination in terms of  $8 \times 4 = 32$  coordination and same together with 13 edges setup of the cube with an four space will make value  $32+13 = 45$ .
14. It would be a blissful to take note that  $45 = 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9$ .
15. It would be a blissful to take note that *MANSARA* scripture of Sathapatya up-Ved enlighten that there are 13 internal Devas and 32 external Devas.
16. It would be a blissful to take note  $9 = 3^2$ .
17. And  $8 = 2^3$ .
18. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above features of dynamic state existence within 3-space which result into transition and transformation by transcendence at the origin into 4-space.
19. It is this feature which bring us face to face with the format feature, values and virtues of Triloki (3 spaces simultaneously manifesting within 3-space domain.
20. This 3 fold manifestation is as of interval, square and cube as of sequential steps of single double and the all the three dimensions coming into play.
21. Here it would be a blissful exercise the internal structure setup of cube accepts a three dimensional frame of 3 spatial dimensions which split 3 space into 8 octants and these octants stands coordinated as solid boundary of spatial order of 4 space.
22. The transition from a dimensional frame of linear dimensional to a dimensional frame of spatial dimensions, bring to focus the mathematics of bridging the gaps of transition from linear order setup to spatial order setup.
23. One may have pause here and take note that linear dimensions synthesized and lead to dimensional synthesis values sequence being: (... -21, -15, -10, -6, -3, -1, 0, 1, 3, 6, 10, 15, 21 ...).
24. Spatial dimensions synthesis value sequence comes to be: (... -12, -10, -8, -6, -4, -2, 0, 2, 4, 6, 8, 10, 12 ...).
25. It would be a blissful to revisit above pair of synthesis value sequences of linear order dimensions and of spatial order

dimensions and to glimpse and imbibe the transition gaps values and reach at the way these gaps stand bridged.



**LESSON- 43**  
**TRANSITION GAPS VALUES**  
**SEQUENCES**  
**OF LINEAR ORDER AND SPATIAL**  
**ORDER SYNTHESIS VALUES**

1. Linear order dimensions synthesis values sequence (sequence -1) is as: (... -21, -15, -10, -6, -3, -1, 0, 1, 3, 6, 10, 15, 21 ...).
2. Spatial order dimensions synthesis value sequence (sequence 2) is as: (... -12, -10, -8, -6, -4, -2, 0, 2, 4, 6, 8, 10, 12 ...).
3. One may have pause here and take note that the difference of above sequence 1 (linear order dimensions synthesis values) and sequence 2 (of spatial order dimensions synthesis values comes to be as under)  
**Sequence 2 – Sequence 1:**  
(... 9, 5, 2, [0, -1, -1, 0, 1, 1, 0,] -2, -5, -9 ...).

4. The above differences value sequence (sequence 3) is designated as zero stage differences values sequences.

**5. First stage difference values sequence (sequence four):**

Sequence four is the sequence of sequential differences of the values of sequence 3.

**Sequence four:**

sequence four comes to be as under:

(... -6, -5, -4, -3, -2, -1, 0, 1, 1, 0, -1, -2, -3, -4, -5, -6 ...).

**Second stage value differences sequences (sequence five):**

The sequence of value differences of sequential of sequence four is designated as sequential five.

**Sequence five:**

Sequence five is values as under:

(... 1, 1, 1, 1, 1, 1, 0, -1, -1, -1, -1, -1, -1, ...).

**Third stage value difference sequence (sequence 6):**

Sequence six is the sequence of differences values of constitutive values of sequence 5.

**Sequence six:**

sequence six is of values as under: (... 0, 0, 0, [0, -1, -1, 0,] 0, 0, 0 ...).

**Fourth stage value difference sequence (sequence 7):**

Sequence 7 is the sequence of difference of constitutive value of sequence 6.

**Sequence seven:**

Sequence 7 is of value as follow:

(... 0, 0, 0, [0, -1, 0, 1, 0,] 0, 0, 0 ...).

6. One may have pause here and take note that the chain of sequence of differences of constitutive values of given sequence leads to another sequence.
7. In this series /chain of sequence of difference of values, from sequence

6 onwards, the central values form a group and another side the central group of values, theirs remain is equal values.

8. It is this feature which deserved to be comprehended well.
9. One may have pause here and take note that the central group of values constitutes a range of object image setup as if the centre of the central group of values is the placement of a mirror and first of the range is the reflection image of the second of the range.
10. One shall sit comfortably and permit the transcending mind to glimpse and imbibe format feature and value of this phenomenon.



#### **LESSON-44**

### **LINEAR ORDER AND ITS NEGATIVE LINEAR ORDER**

1. 3-space mathematics is a mathematic of linear order.
2. 3-space domain accepts linear measure.
3. Measure go parallel to sequential progression of dimensions formats.
4. Domain within dimensional frame gets framed and permits coverage for its each constitutes in terms of the measure of its dimensions.
5. In the context of 3-space, the 3-space domain as fixation for its constitution in term of its dimensional measures available for all the dimensions.
6. Dimensional frame of 3-space being a setup of 3 dimensions as such there would be an availability of a linear

measure for sequential progression chase along each dimensions. This availability of a measure with a working rule Ganita Sutra 1: 'one more than before, will help us exhausted coverage for the entries domain of a linear dimension.

7. One may have pause here and take note that proportionality summity rule of Ganita Upsutra 1 will help have a chase of dimensional frame of other order as well.
8. One may have further have a paused here and take note that dimensional order itself is a one space domain in the role of dimensions of 3-space domain, as such one space as well having simultaneously play for its own dimensional order, which is a negative linear dimensional order, as and the same dimensions of dimensions of 3-space.
9. One may have further have a paused here and take note that the synthesis of linear dimensions is their because of the availability of dimensions of dimensions.
10. This sustenance of dimension of dimensions that way takes values is equal to value of dimensions to dimensions from the individual values a pair of dimensions getting synthesized.
11. One may have pause here and take note that linear dimension is of value '1'.
12. Pair of linear dimensions yield value '1+1 = 2'.
13. Out of this value, the value of dimension of dimensions is to be accounted for.
14. The value of dimension is dimension '-1'.

## Transcendental content

15. As such after accounting for '-1' out of value of pair of dimensional '2' there would emerged synthesized value after accounting for a value of dimensional of dimensional as  $[(2)-(-1)] = 3$ .
16. One shall sit comfortably and permit the transcending mind to glimpse and imbibe this synthesis values mathematics.
17. One shall fully comprehend and to completely appreciate the synthesis values mathematics of a pair of dimensions to acquire proper insight and to attain appropriate enlightenment.
18. A step head, a synthesis of triple dimensions will required that third dimension on its synthesis is to account for value equal to dimension of dimensions firstly for the synthesis of third dimensions, with the first dimension and secondly for the synthesis of third dimensions with the second dimensions.
19. One may have further have a paused here and take note that in respect of third dimension there would be accommodated of value twice of the value of dimensions of dimensions. As such the dimensional synthesis mathematics, at the stage would be following working steps:-

**Step 1** value of synthesis pair of linear dimensions = 3.

**Step 2** value of third dimensions = 1.

**Step 3** value of a pair of dimension of dimensions = -2.

**Step4** dimensional synthesis values for triple dimensions

$$= 3+1-(-2) = 6.$$

20. One may have pause here and take note that, it is this feature of linear dimensions synthesis values sequence (1, 3, and 6) for single, double and triple dimensions which deserve to be comprehended well.
21. One may have pause here and take note that it brings us face to face with organization of (1, 3, and 6) as (1, 1+2, 1+2+3).
22. It is sequential summation for values triple (1, 2, 3) which deserves to be comprehended well.
23. One may have a paused here and take note that values triple (1, 2, and 3) is unique as that none of these accepts perfect as other than 1.
24. Further as that, the value triple (1, 2, 3) accepts organization as (1, 1+1, 1+1+1).
25. It further goes parallel to availability of single dimensional a pair of dimensional and all the triple dimensional of a three dimensional frame.
26. It would be blissful to sequential chase:
  - i. (0, 0, 0).
  - ii. (1, 1, 1)
  - iii. (1, 1+1, 1+1+1)
  - iv. (1, 2, 3)
  - v. (1, 1+2, 1+2+3)
  - vi. (1, 3, 6)
  - vii. (2-1, 2+1, 2-1+2-0+2+1)
  - viii. (2, 2, 2)
  - ix. (2, 4, 6)
  - x. (2, 6, 10)
  - xi. (1+1, 3+3, 5+5)

27. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above format feature values and to acquire insight and enlightenment about the sequential linear order progression steps measure with the help of Ganita Sutra 1 and Ganita Upsutra 1.



**12**

**ENLIGHTENED MIND AND INNOCENT MIND**

This day the course focus is upon 'Enlightened Mind and Innocent Mind'. It four folds aspects being taken up are as follows:

49. Interaction Of Enlighten Mind With Innocent Mind
50. Intelligence Flow From Enlightenment Mind To Innocent Mind
51. Success Index Of Learning And Teaching Of 3-Space Mathematics
52. Geometric Envelops Of Cube And Sphere

The values being covered are to be taught as lessons numbers 45 to 48 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-45**

**INTERACTION OF ENLIGHTEN MIND WITH INNOCENT MIND**

1. First Value of 'Leaning and Teaching Methodology' is the interaction of enlighten mind with innocent mind.
2. In the Institutionalized Schooling Mechanism, Enlightened Mind mean 'Teacher' and Innocent Mind mean 'Student'.
3. Teaching of 3-space mathematics, as such is going to be the responsibility interested to 'Teacher', fully enlightened about 'Mathematics of 3-space'.
4. Mathematics of 3-space is the basis base values of 3-space.
5. Basis base values of 3-space are the Pure values Domain of 3-space

while applied values of 3-space makes the Discipline of 3-space 'Mathematics, Science & Technology.

6. Therefore, the Enlightened Index of teacher of 3-space mathematics, naturally is to be of the order of basis base values making the working steps of sciences and technologies of 3-space.
7. Enlighten Mind is fulfilled with virtues of values, and as such is capable of sequentially fulfilling the Innocent Mind with the basis base value of mathematics and insuring maturity for the Innocent Mind to chase the processing steps of sciences and also being capable to work out the steps of technologies.

■

**LESSON-46**

**INTELLIGENCE FLOW FROM ENLIGHTENMENT MIND TO INNOCENT MIND**

1. The interaction between the Enlightened Mind and Innocent Mind is to be of such flow of intelligence from the Enlightened Mind to be fulfilled within the Innocent Mind such that it results into perfection of intelligence within innocent mind without causing any scratch or dent upon the Innocence Bliss of the Innocent Mind.
2. Teaching and Learning subjectivity of 'Teacher and Student' need be formatted objectively and for it the geometric format of Sathapatya measuring rod is to be availed.
3. To begin with the set up of 'cube', the representative regular body of 3-space, is to be availed and there



after transition is to be had from the set up of a cube to the set up of a sphere, being the another representative regular body of 3-space.

4. It is along the geometric format of 3-space bodies, that the attainment is to be had in terms of artifices of number value 3.
5. With a reasonable degree of maturity stands attain by the student, the other way learning process of beginning with number value 3, the reach is to be had for the geometric format of 3-space bodies.
6. Sequentially students are to be matured to glimpse and imbibe parallel values of triple artifices of number value and the set up of a 3 dimensional frame of 3-space.

#### LESSON-47

### SUCCESS INDEX OF LEARNING AND TEACHING OF 3-SPACE MATHEMATICS

1. The glimpsing and imbibing of index of parallel values features of number 3 and 3-space, as such be taken as the success index of Learning and Teaching of 3-space mathematics.
2. Triple artifices of number value 3 sequentially lead us to number values triples (1, 2 and 3). Triple axis of a three dimensional frame of 3-space sequentially leads us to bodies triples (interval, square and cube). The values triple (1, 2, 3) of number value 3, and bodies triples (interval, square and cube of 3-space domain, as such bring us face to face with different features of number value 3 and 3-space domain.

3. A step ahead, the triple progression steps (1, 1+2, 1+2+3) and (interval, interval and square within a square, interval square and cube within a cube) further bring us face to face with another set up of feature of number value 3 and 3-space.
4. Innocent Mind shall be very gently matured to glimpse and imbibe parallel and distinguishing feature of (three and triple).
5. Further Innocent Mind be also matured for glimpsing and imbibing the values and features of (three, triple, third, thirdly).

#### LESSON-48

### GEOMETRIC ENVELOPS OF CUBE AND SPHERE

1. Cube and sphere are two distinct representative regular bodies of 3-space.
2. The distinctiveness of cube and sphere is glarely reflecting in their geometric envelops.
3. The geometric envelop of cube is stitched by eight corners points, twelve edges and six surface plates, making it a set up of twenty six structural components.
4. On the other hand the geometric envelop of a sphere is a single spatial structure.
5. There is a common (domain-boundary) ratio in both cases of the set up of cube and sphere but in case of cube there is split for the boundary (as six surface plates) while in case of sphere, there is split of domain (in six parts).
6. This feature of outward split (at boundary) in case of cube, and

## Transcendental content

inward split (of domain) in case of sphere brings us face to face with the set up of values and features which deserves to be imparted in the Innocent Mind for their maturity with respect to the Reality of Existence phenomenon of 3-space set ups.

7. Teaching success lies in the learning teaching achieved about the comprehension and imbibing of the values of this reality of the existence phenomenon of 3-space bodies being capable of outward and inward split for their set ups.
8. Proper attention of the student deserves to be focused about the learning importance as to comprehension and imbibing of the values and features of this aspects of the set ups of the existence phenomenon of 3-space bodies.



### 13

#### 3-SPACE MATHEMATICS AND FIGURES

This day the course focus is upon '3-space mathematics and figures'. It four folds aspects being taken up are as follows:

53. Outward expansion
54. Inward expansion
55. Dictionary of 3-space mathematics
56. 3-space figures

The values being covered are to be taught as lessons numbers 49 to 52 to the students of 3-space Vedic Mathematics, Science & Technology.

#### LESSON-49

##### OUTWARD EXPANSION

1. Outward space, that is, the space outside cube, is a dimensional space of dimensional order higher than that of the linear order of 3-space.
2. 3-space is a linear order space, while 4-space is spatial order space.
3. Take off of a surface plate from the spatial boundary of cube, structures out the outward space as a spatial order four space.
4. With a takeoff of a surface plate from the spatial boundary of a cube, their happen to be a spatial window for the 4-space.
5. Through the spatial window, the linear order of 3-space domain flows out into the outer spatial order 4-space.
6. This phenomenon, as it is, amounts to outward expansion from phase and stage of a linear order 3-space to spatial order 4-space.

7. Teacher shall very gently expose the students to this phenomenon of outward expansion. Student shall very gently comprehend and imbibe of values and features of this phenomenon of outward expansion.
8. The concepts of (i) Linear order 3-space, (ii) Spatial order 4-space (iii) Strip off of surface plate from the spatial boundary of cube (iv) The structuring of outward space as a spatial order 4-space (v) Construction of a spatial window at the boundary of cube shall be fully comprehend and there values and features completely imbibed by the student.

■

#### LESSON-50

##### INWARD EXPANSION

1. Teacher shall very gently expose the student to the dual status of the centre of the cube, as a point of linear order 3-space, and also a seat of spatial order 4-space as a origin of 3-space.
2. Centre of the cube is the seat of origin of 3-space with placement of origin of three dimensional frame at the centre of cube, the domain of cube (volume) gets sealed.
3. Teacher shall specifically expose the student to this phenomenon of sealed domain happening because of super imposition of the origin of three dimensional frame at the centre of the cube.
4. Parallel to the concept of a sealed domain is the concept of domain of unsealed origin.

## Transcendental content

5. The unsealed domain is of the values and features of spatial order being lively at the seat of the origin.
  6. With it, the linear order of 3-space domain happens to transcend through the spatial order 4-space seat at the centre of the cube.
  7. With this transcendence of the linear order through the spatial order centre amounts to expansion of linear order 3-space into spatial order 4-space.
  8. Teacher shall very gently expose the student about the parallel outward and inward expansion permissible in the set up of the cube.
  9. Student shall sit very comfortably and to permit their mind to fully comprehend and to completely imbibe this phenomenon of parallel outward and inward expansion permissible for the set up of the cube.
- 
- comprehension of imbibing of values of 3-space mathematics.
  6. One shall attempt to reach at virtues of values of 3-space mathematics.
  7. One shall also have one section of their dictionary to be exclusively devoted to the experiments which one could have for validation of their 3-space mathematics values and features.
  8. Let one's dictionary be one's index of, understanding, comprehension and imbibing the values and features of 3-space mathematics.
  9. Let it be the solemn duty of the teacher to have proper evaluation of the dictionaries of the students.
  10. Let the success of teaching be ultimately indexed in terms of the values of dictionaries of the students.
  11. Let the dictionary reach by the student be the real certification of the course under taken by the student.

### LESSON-51

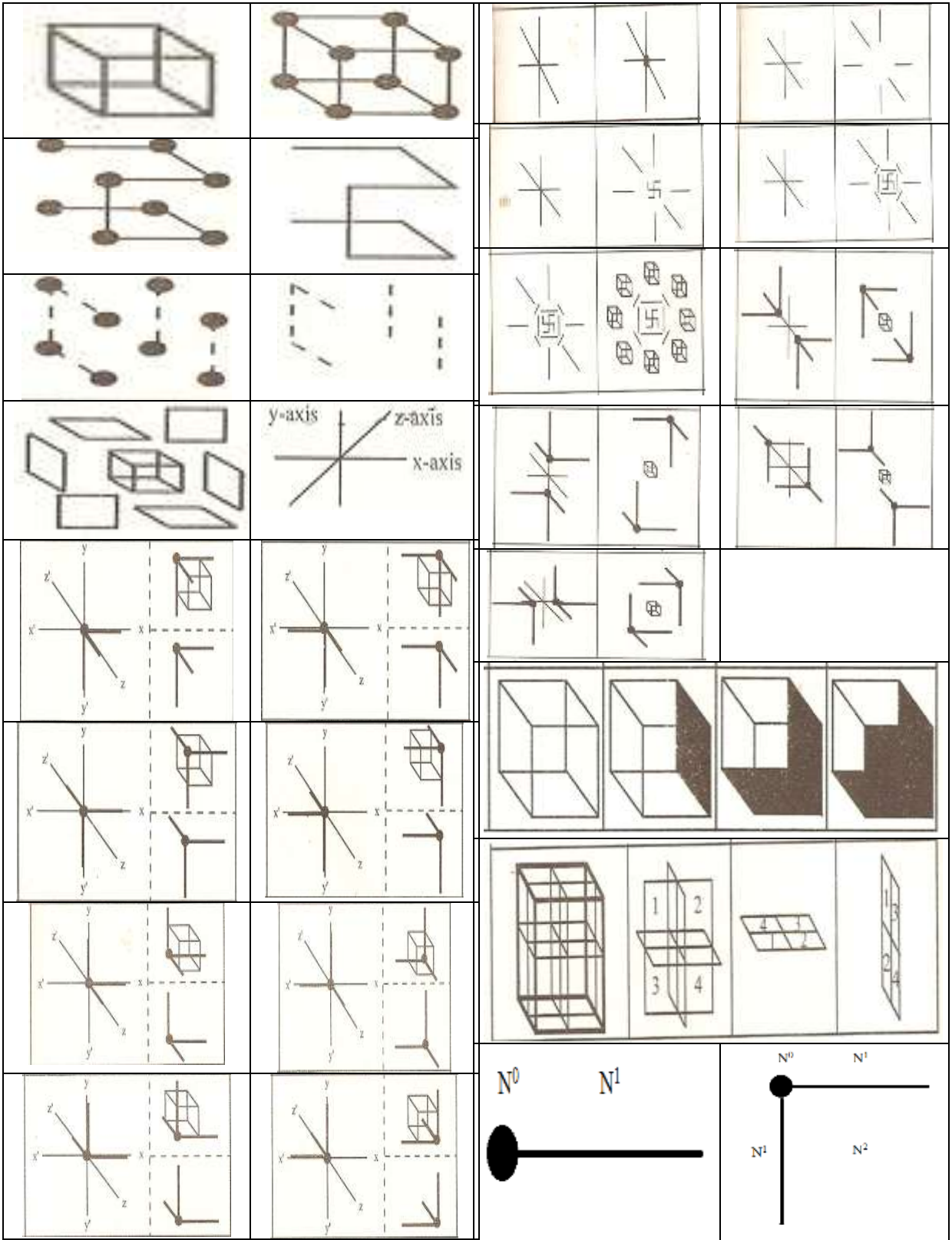
#### DICTIONARY OF 3-SPACE MATHEMATICS

1. Teacher shall help the students to edit their own 3-space mathematics dictionary.
2. Each student shall reach at one's own dictionary of 3-space mathematics.
3. Concepts, technical terms, values, features and formulations and formulae of 3-space mathematics be tabulated with specific entries in each case.
4. One shall add their own comprehension notes about basic concept.
5. One shall regularly update one's dictionary of understanding,

### LESSON-52

#### 3-SPACE FIGURES

1. 3-space figures provide us one definite way to understand, comprehends and imbibes the values of 3-space mathematics.
2. Here below are being tabulated one set of figures depicting different features of the cube and one shall audit detailed note of values and feature of 3-space mathematics being preserved and conveyed by each of figures:



# Transcendental content

		<p style="text-align: center;">BACA</p>	<p style="text-align: center;">BAD</p>
			<p style="text-align: center;">SEVENTH GEOMETRY BODY OF 3-SPACE CUBE WITH ONE SURFACE PLATE</p>
		<p style="text-align: center;">SIXTH GEOMETRY BODY OF 3-SPACE CUBE WITH ONE SURFACE PLATE</p>	<p style="text-align: center;">FIFTH GEOMETRY BODY OF 3-SPACE CUBE WITH TWO SURFACE PLATE</p>
	<p style="text-align: center;">SOLID + SOLID</p>		
<p style="text-align: center;">CAB</p>			
<p style="text-align: center;">12 FIRE-EDGES      7 FIRE-EDGES</p>			

## 14

### TEACHING FOCUS

This day the course focus is upon 'Teaching Focus'. It four folds aspects being taken up are as follows:

57. Teaching focus
58. Internal Diagonal As A Translation Path
59. Different role of 3-space
60. Spatial Boundary As Six Place Value Format

The values being covered are to be taught as lessons numbers 53 to 56 to the students of 3-space Vedic Mathematics, Science & Technology.

### LESSON-53

#### TEACHING FOCUS

1. Teaching focus shall be upon the practical understanding and comprehension of the external as well as internal set ups of the bodies of 3-space.
2. The external under standing in a way is going to be, comparatively easy, as much as that the same can be observed as geometric envelop of the solid content of the 3-space bodies.
3. However, as for as, the internal set up of the solid bodies is concerned with respect to in, naturally, the observation as such, in the presence of geometric envelop, would be negated, as well as the understanding by observation would be concerned.
4. Therefore, one way to approach the internal set up of a solid body, at a first instance shall be in terms of an empty cube, which would mean that the volume part (domain part of the set up of the cube, is in a void state, that is, the 3-space content stands pumped out.
5. The empty state cube, would be just the geometric envelop of the cube and the space within it.
6. Space within the cube, will permit coordination from inside for the eight corner points, in term of quadruple internal diagonals.
7. Likewise the space can be superimposed a three dimensional frame with origin superimposed at the centre of the cube.
8. Still further the space within a cube, will accepts a ten directional frame.
9. These features, together with the permissibility of the split of 3-space within a cube, into eight octants, will bring to focus, another set of feature for the inner space of the cube.
10. Practical exposure for the above feature can be had by having a proper demonstration kit of the structural components of a cube.
11. One can construct a cube, with the help of structural component from the said kit.
12. These experimental exercises, may be manipulated in different aspects, and the same shall be perfecting understanding and comprehension of the internal and external structural of the cube.
13. Likewise, one may approach other 3-space bodies, like sphere, cylinder, cone, pyramid, and other irregular solid bodies and containers.
14. Structural components parallel to points, edges, surfaces and volume (solid domains), in their

## Transcendental content

standardized forms, can be availed for practical demonstration of split of a cube into eight sub cubes, and also into 64 sub-sub cubes.

15. It would be a blissful exercise to demonstrate the structural set up of ninth sub cube, as a synthetic set up of inner most sub-sub cubes of all the eight sub cubes.
16. It also would be blissful to demonstrate the existence of external three dimensional frames of half dimensions available at each of the eight corner point of the cube.
17. Further, it would be blissful to demonstrate the centre of the cube is a seat of hyper cube 4, a 4-space domain enveloped within solid boundary of eight components.

### LESSON-54

#### INTERNAL DIAGONAL AS A TRANSLATION PATH

1. Teacher shall practically demonstrate the internal diagonal of a cube being the translation path for the three dimensional frame of half dimension embedded in the corner point of the cube as end points of the internal diagonal.
2. It shall be, in a very gentle steps be demonstrated that the three dimensional frame embedded in the corner of the cube can be translated inward towards center of the cube by origin of the three dimensional frame translating along the internal diagonal itself.
3. Further, the situation of the reach of the origin of three dimensional frame at the centre of the cube, shall be captured comprehensively, with a

focus upon the placement of three axes of the translated three dimensional frame.

4. At this stage, the second three dimensional frame embedded in the other corner point of the cube, shall be put into translation state.
5. The phase and stage of second three dimensional frame, with reach for its origin at the centre of the cube, shall be comprehended comprehensively.
6. One shall glimpse and imbibe the set up of the phase and stage of origins of both the three dimensional frames getting superimposed at the centre of the cube itself.
7. It shall be a phase and stage of a pair of three dimensional frame of half dimensions getting synthesized and making a set up parallel to the set up of a three dimensional frame of full dimensions.
8. Likewise, one can have a translation for the pair of three dimensional frame of half dimensions along each of the other three internal diagonals and thereby would emerge triple three dimensional frame of full dimensions set ups.
9. Likewise, there would be an attainment of synthetic set up of quadruple three dimensional frame of full dimensions.
10. These quadruple of full dimensions of together with the three dimensional frame of full dimensions, already available with the origin of the centre of the cube, will make a set up of five three dimensional frame of full dimensions.



11. The availability of five three dimensional frame of full dimensions, is parallel to the lead of five solid dimensional frames of 5-space.
12. It is this feature, which deserved to be comprehended well as with the comprehension and appreciation one may be acquiring proper insight about 5-space playing the role of origin of 4-space.
13. Further, it also shall be helping acquire appropriate enlightenment about the phenomenon of compactified origins at the centre of the cube itself.
14. It is this feature, which deserves to be imbibed fully.



**LESSON-55**

**DIFFERENT ROLES OF 3-SPACE**

1. Teacher shall very gently expose students to the phenomenon of different role of 3-space.
2. Firstly students shall be exposed to the prominent role of 3-space, as domain fold of 3-space bodies, like that of volume (domain) of cube.
3. Thereafter, student shall be very gently exposed to the role of solid boundary of 4-space bodies, particularly, hyper cube 4, the representative regular bodies of 4-space accepting solid boundary of eight components.
4. A step ahead, student shall be exposed to 3-space in the role of solid dimension of 5-space, accepting a dimensional frame of 5 solid dimensions.
5. One may to expose the student for different role of 3-space would be to

focus upon the set up of cube as a four folds manifestation layer (1, 2, 3, 4) / (1-space as dimension, 2-space as boundary, 3-space as domain and 4-space as origin, a step ahead the next four fold manifestation layer (2, 3, 4, 5) of hyper cube 4 will help focus upon 3-space in the role of solid boundary of 4-space.

6. A step further ahead, the four fold manifestation layer (3, 4, 5, 6) of hyper cube 5 will help focus upon the role of 3-space as solid dimension of 5-space.
7. A step ahead, one may with the help of a four folds manifestation layer (0, 1, 2, 3) of hyper cube 2, it can be brought to point to attains that 3-space plays the role of origin of hyper cube 2/ square.
8. It would be blissful to take note that all the above role of 3-space, can be expressed along the north east diagonal of following 4x4 grid / matrix:

0	1	2	3
1	2	3	4
2	3	4	5
3	4	5	6



**LESSON-56**

**SPATIAL BOUNDARY AS SIX PLACE VALUE FORMAT**

1. Teacher shall demonstrate spatial boundary of cube being a six place value format.
2. At initial step, with the help of a cube, it be practically demonstrated that cube is of seven versions, and out of the same, one of the version is free of, all of its surface plates.

## Transcendental content

3. This initial phase and stage of cube is of zero number of surface plates.
4. At next stage, it be demonstrated that cube accepts as many as six surface plates.
5. Now it be demonstrate that each surface plate as square / hyper cube 2 is having 3-space in the role of origin.
6. As such, all the six surface plates, at its at their origin shall be having a seat at centre of the square, will be envelop by six surface plate each and thereby there would emerge as many as many  $6 \times 6 = 36 = 6^2$  numbers of surface plates.
7. A step ahead, 36 surface plates shall be having a seat of cube enveloped within six surface plate each, thereby there would emerge, as many as many as  $36 \times 6 = 216 = 6^3$  number of surface plates.
8. One may have a pause here and have a revisit of above sequential emergence of surface plates in the order  $6 \times 1$ ,  $6 \times 2$ ,  $6 \times 3$ , and this sequential emergence will lead to whole range of sequential progression  $6 \times 1$ ,  $6 \times 2$ ,  $6 \times 3$ ,  $6 \times 4$ , ..., parallel to the need of the six place value system.
9. This feature of spatial boundary of 3-space deserves to be comprehended fully. ■

**15****VISHWA-RUP**

This day the course focus is upon 'Vishwa-rup'. It four folds aspects being taken up are as follows:

61. Tri-Shapta
62. Vishwa-rup
63. Formulation Agni
64. Dimensional synthesis phenomenon

The values being covered are to be taught as lessons numbers 57 to 60 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-57****TRI-SHAPTA**

1. Very first quarter of first mantra of Athrav Ved Samhita enlightens about formulation 'Tri-Shapta', will literally mean '3 and 7'.
2. The interrelationship of values pairs (3, 7) makes a very rich mathematics values spectrum.
3. Of these, the parallel value of 3-space having seven geometries range and cube, the representative regular bodies of 3-space, is having 7 versions.
4. Further 'six' as the first perfect number is having '3' is the biggest proper prime divisor of '6', and '28' is the second perfect numbers, and it is having '7' as the biggest proper prime divisor of 28.
5. Further '3' is the smallest odd prime and '7' is the biggest prime numeral of ten place value system.
6. Further formulation tri, literally means '3' and transcendental code value of formulation tri is '7'.

7. Values pairs (3, 7) is having a jump over a in-between odd value '5', and this is the feature of Divya Ganga flow quadruple (9, 7, 3, 1).
8. Triangle is the set up of seven structural components namely (3 corner points, 3 edges and 1 surface area).
9. 1-space has three geometries range and ahead 3-space as 7 geometries range.
10. Student shall sit comfortably and to permit the mind to comprehend these values and features of formulation Tri-Shapta.

**LESSON-58****VISHWA-RUP**

1. Shatpat Brahman (Kanda 5, Adhya 5, Brahman 4, Kandika 2) preserves formulation 'Vishwa-Rup' as of the set up of three heads and six eyes.
2. This formulation and its values description, as it is, lead us to the set up of three spatial dimensions.
3. It is this value and feature of 3-space set up will help us reach at the internal organizational set up of cube, the representative regular of 3-space.
4. Teacher shall in a very gentle step, demonstrate the cut of 3-space into eight octants, and parallel to it the cut of a cube into eight sub cubes.
5. Teacher shall further pointedly focus the spatial base for each axis of dimensional frame of 3-space.
6. Teacher shall further, pointedly focus as that the internal organization of the cube, domain fold, permits approach in terms of dimensional frame of three spatial dimensions.

## Transcendental content

7. Student shall distinctively comprehend the three dimensional frame of linear dimension, and three dimensional frame of spatial dimensions.

8. Student shall comprehend and imbibe the distinctive features of linear order of domain fold of 3-space from the spatial order of the origin of 3-space.

### LESSON-59

#### FORMULATION AGNI

1. The first word formulation of very first Richa/Mantra of Shakla Rig Ved Samhita is 'Agni'.
2. Agni literally means fire, and it is the third element of five basic elements, namely 'earth, water, fire, air, space'.
3. Word formulation Agni accepts transcendental code value  $(1+2+3+8) = 14$ .
4. Value 14 permits re-organization as  $14 = (2+3+4+5)$ , which is parallel to four folds manifestation of hyper cube 4, the representative regular body of creator's space (spatial order 4-space).
5. It would further be blissful to take note, the values quadruples (1, 2, 3, 8) permits re-organization as (1x1, 1x2, 1x3, 2x4), which is parallel to the dimensional order mathematics of linear order 3-space of three dimensions transits and transforms into the set up of spatial order of 4-space.
6. Swatashwara Upanishad enlightenment is that by sequential steps of (1, 2, 3, 8), one attains liberation from this word, a linear order world.
7. Teacher shall very gently expose the student to this transition phenomenon of reach from linear order set up of 3-space to spatial order set up of 4-space.

### LESSON-60

#### DIMENSIONAL SYNTHESIS PHENOMENON

1. One of the basic values of discipline of Vedic Mathematics, Science & Technology is about the phenomenon of dimensional synthesis.
2. As here, in the set up of 3-space bodies 'cube' as representative regular bodies of 3-space, linear axis accepts spatial base, as such teacher shall pointedly expose student about (i) synthesis of linear dimension (ii) synthesis of spatial dimension (ii) difference value synthesis of linear dimension and equal number of spatial dimensions.
3. Synthesis of linear dimension lead to following values sequence:
  - (i) Single linear dimension leads to synthesis value '1'.
  - (ii) Pair of linear dimensions lead to synthesis value (1+2).
  - (iii) Triple linear dimensions lead to synthesis value  $(1+2+3) = 6$
  - (iv) .....
  - (v) (N linear dimension lead to synthesis value  $(1 + 2 + 3 + \dots + N)$ .
4. Single spatial dimension leads to synthesis value 2.
5. Pair of spatial dimension lead to synthesis value 4.
6. Triple spatial dimensions lead to synthesis value 6.

- 7.....
- 8.N of spatial dimension lead to synthesis value  $2N$ .
- 9.The difference of single linear and spatial dimension leads to synthesis value =  $'2-1' = 1$
10. Difference of pair of linear and spatial dimension synthesis value equal to  $'3-4' = -1$ .
11. Difference of triple linear and spatial dimension synthesis value  $'6-6' = 0$ .
12. This difference of quadruple linear and spatial dimension synthesis value  $'10-8' = 2$ .
13. Difference of five linear and spatial dimension synthesis value  $(15-10) = 5 = (2+3)$ .
14. Difference of six linear and spatial dimension synthesis value =  $(21-12) = 9 = (2+3+4)$ .
15. ....
16. Teacher shall very gently expose the above pattern of differences of synthesis values of equal number of linear and spatial dimensions  $(-1, -1, 0, 2, 5, 9 \dots)$ .
17. It would be blissful to take note that the sequential difference of consecutive values of above sequence lead to the sequence  $(1, 2, 3, 4, 5, 6 \dots)$ .
18. It is this sequence which deserves to be comprehended well.
19. Teacher shall further very gently expose the student as that at the above value difference sequences equally apply to any consecutive order like above of linear and spatial dimensions, which a step ahead, would be of spatial and solid dimensions, solid and creative dimensions and so on.
20. This feature deserves to be comprehended well. ■

**16**

**UNIFIED FORMAT**

This day the course focus is upon 'Unified format'. It four folds aspects being taken up are as follows:

- 65. Domain split spectrum
- 66. Unified format
- 67. Transcendence format
- 68. TCV dictionary

The values being covered are to be taught as lessons numbers 61 to 64 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-61**

**DOMAIN SPLIT SPECTRUM**

- 1. The domain split spectrum is another basic phenomenon whose values are chased by the discipline of Vedic Mathematics science and technology.
- 2. Domain n splits into a pair of domain of order (N-2).
- 3. Further during this split there would also is release a domain N-4 order.
- 4. This process sequentially holds.
- 5. It would be blissful to take note that the originally domain N is of entity (1).
- 6. At first split their emerge, two entities of domain order (N-2).
- 7. At second split steps there emerge five entities of domain order (N-4).
- 8. At third split step there emerges five entities of domain order (N-6).
- 9. At fourth split steps there emerge twelve entities of domain order (N-8).
- 10. At fifth split step there emerge twenty nine entities of domain order (N-10).

- 11. And the process continuous.
- 12. Student shall be very gently expose this phenomenon for (N = 3, N = 4, N = 5, and N = 6).



**LESSON-62**

**UNIFIED FORMAT**

- 1. Vedic Mathematics success lies in its unified format.
- 2. Whole range of mathematics values accept unified format.
- 3. It is this virtue of the values of Vedic Mathematics which makes it the basis base of organization of Vedic knowledge.
- 4. It is this virtue whose values feature is that Yoga Nishta and Sankhaya Nishta complement and supplement each other and process parallely at each steps.
- 5. Sankhaya Nishta presume the existence of geometric format and avails artifices of number of values.
- 6. On the other hand, Yoga Nishta presumes the existence of artifices of values of numbers and avails dimensional frames.
- 7. It is parallel processing steps of artifices of numbers and dimensional frames which manifests the unified format of Vedic Mathematics.
- 8. With it, the different branches of mathematics like arithmetic, algebra, geometry, calculus, measure theory, topology, manifestation of space content as dimensional bodies, transcendence through the manifested bodies, and all that values domain of mathematics get unified as a single integrated discipline.

9. Vedic Mathematics teacher is vested with solemn duty to inculcate the virtues, values, features of unified format of basis base values of Vedic knowledge in the minds of the students.
10. Hyper cube 1 format of interval, the representative regular body of 1-space in the role of linear order of 3-space, as such becomes the basic format form chase of values of 3-space mathematics and basis base of 3-space Vedic Mathematics, Science & Technology.
11. This being so, valuable time need be devoted for proper understanding of hyper cube 1 set up of interval, the representative regular body of 1-space during its role as linear dimensional order of 3-space.
12. Hyper cube 1 is a four folds manifestation layer  $(-1, 0, 1, 2)$  /  $(-1$  space as dimension fold, 0-space as boundary fold, 1-space as domain fold, 2-space as origin fold).
13. On the other hand, cube, the representative regular of 3-space, itself, as well, is a four folds manifestation layer  $(1, 2, 3, 4)$  /  $(1$ -space as dimension fold, 2-space as boundary fold, 3-space as domain, 4-space as origin).
14. These manifestation layers formats of representative regular bodies of 1-space and 3-space, will bring to focus that the pair of spaces namely 1-space and 2-space, are in their dual roles.
15. 1-space is the domain fold of hyper cube 1, and at the same time 1-space is the dimensional fold of 3-space.
16. Further, likewise, 2-space is the origin fold of hyper cube 1 and at the same time, 2-space is also the boundary fold of hyper cube 3.
17. The above dual roles of 1-space and 2-space, bring to focus that in the case of 1-space, its dual roles are, as dimension fold and domain fold, while in case of 2-space, its dual roles are as boundary fold and origin fold.
18. It would be blissful to take note that the above pair of dual roles of 1-space and 2-space, together, cover all the four folds, namely dimensional fold, boundary fold, domain fold and origin fold.
19. It is this feature and values which deserves to be focused and deserved to be comprehended well for its full appreciation to acquire proper insight and to attain appropriate enlightenment about this organization phenomenon.
20. Vedic Mathematics teachers is under solemn duty to work out the steps of this organization very gently so that the virtues of these values are blissfully imbibed by the innocence fulfilled young minds of the students.
21. 3 versions of interval, parallel to 3 geometries of 1-space, as such leads us to three different phases of organization.
22. These 3 versions of organization, sequentially bring us face to face with the way different disciplines of mathematics values get unified.
23. It is this aspects of Vedic Mathematics teaching which makes the central core of art of mathematics teaching.

## Transcendental content

24. It is this art which is to be attained by Vedic Mathematics teachers.
25. Whole success of teaching of Vedic Mathematics, that way gets indexed with the unified format, which in case of 3-space mathematics, as basis base of 3-space Vedic Mathematics, Science & Technology manifests as the format of an interval, the representative regular body of 1-space, being the four folds manifestation layer, making interval to be of 3 versions parallel to 3 geometries of 1-space, which is to be play the role of linear dimension of 3-space.
26. Student shall sit comfortably and to comprehend and imbibe the above values and virtues of unified format, in the form of interval, as the unified format of 3-space mathematics, and 3-space Vedic Mathematics, Science & Technology.
27. One shall update one's dictionary by making entries of above values and virtues of unified format of 3-space mathematics. ■

### LESSON-63

#### TRANSCENDENCE FORMAT

1. Transcendence format is a five folds format.
2. It is an extension of four folds manifestation format.
3. The four folds manifestation format with its extension, with addition of fifth fold namely base fold, the same transition and transform from four folds manifestation format into five folds transcendence format.
4. Interval, the representative regular bodies of 1-space, as four folds manifestation layer (-1, 0, 1, 2) on its extension, transition and transforms into, the transcendence range (-1, 0, 1, 2, 3).
5. It is of the reach of 3-space as the base fold.
6. It is this feature, which deserves to be comprehended well for its full appreciation and complete imbibing.
7. The linear order set up of 3-space, as a four folds manifestation layer (1, 2, 3, 4) on its extension, transition and transforms into transcendence range (1, 2, 3, 4, 5).
8. It is a reach at 5-space as base fold of 4-space origin of 3-space with 2-space in the role of boundary, 1-space in the role of dimension.
9. The pair of linear order transcendence ranges (1, 2, 3, 4, 5) and (1, 2, 3, 4, 5) gets synthesized with the dimensional glue of value (1) supplied by the linear order, leads to synthesis value  $(15+1+15) = 31$ .
10. It would be blissful to take note that value 31 is parallel to the 31 structural component of the set up of the cube, viz. (8 corner points, 12 edges, 6 surfaces, 1 volume, 3 axes and 1 origin).
11. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe the above values and features of synthesis phenomenon of a pair of linear order transcendence ranges.
12. With it, one shall be acquiring proper insight about the set up attainment for the linear order.
13. Further, one shall also be attaining appropriate enlightenment about this manifestation and



transcendence phenomenon along the unified format, in the form of an interval, the representative regular body of 1-space, as a four folds manifestation layer (-1, 0, 1, 2), transition and transforming into transcendence range (-1, 0, 1, 2, 3) with 3-space as the base fold.

14. It would be blissful to take note that the north east diagonal of following 5x5 grid coordinate all the five different roles of 3-space as (base fold, origin fold, domain fold, boundary fold, dimension fold, making total value '15' for the set up of north east diagonal of following grid:

-1	0	1	2	3
0	1	2	3	4
1	2	3	4	5
2	3	4	5	6
3	4	5	6	7



4. The value  $32 = 2^5$  is parallel to 32 ways in which value 6 can be reach at with choices from the values range (1, 2, 3, 4, 5, 6), like ( $6 = 6$ ,  $6 = 1+5$ ,  $6 = 5+1$ ,  $6 = 4+1+1$ ,  $6 = 1+4+1$ ,  $6 = 1+1+4$ , and so on).
5. Value 32 can be reach at  $2^{31}$  by choices from the range of values 1 to 32.
6. It would be blissful to take note the formulation 'Santosh' accepts transcendental code value 31.
7. The formulation 'Aatma Bal' as well accepts transcendental code value 31.
8. This pair of formulations preserves the fruit value of unified format of linear order values mathematics as basis base of 3-space Vedic Mathematics, Science & Technology.



### LESSON-64

#### TCV DICTIONARY

1. Final learning and teaching step of this year course focus upon values of 3-space mathematics as basis base of 3-space Vedic Mathematics, Science & Technology is going to be the compilation of TCV dictionary.
2. Values range 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31 as TCV values range 1 to 31 will bring us face to face with the whole range of words formulation accepting transcendental code value 1 to 31.
3. This range of values 1 to 31 will get extended as the range of points 0 to 31 making 31 gaps.

17

**GANITA SUTRA 1**

This day the course focus is upon ‘Ganita Sutra 1’. It four folds aspects being taken up are as follows:

77. Text
78. Blissfully recite and memorize the text
79. Ganita Sutra 1 and Ganita Upsutra 1
80. Glaring applications of working rule:  
‘One more than before’

The values being covered are to be taught as lessons numbers 65 to 68 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-65  
TEXT**

1. Text of Ganita Sutra includes Upsutra.
2. There are 16 sutras and 13 upsutras.
3. Sole syllable Om is the transcendental source reservoir of values, and the same is the prefix syllable of the text of Ganita Sutras and Ganita Upsutras.
4. Parnavaha the synonym of Om, is the end value reach of Ganita Sutras and Upsutras. Om to Parnavaha and back from Parnavaha is the cyclic order system of inner unfolding of the values of Ganita Sutra mathematics.
5. This makes processing system of Ganita Sutra being a cyclic system (chakra-vat).

**गणित सूत्र GANITA SUTRAS**

ॐ एकाधिकेन पूर्वेण । निखिलं नवतश्चरमं दशतः । ऊर्ध्वतिर्यग्भ्याम् परावर्त्य योजयेत् ।

शून्यं साम्यसमुच्चये (आनुरूप्येद्ध) शून्यमन्यत् ।  
संकलनव्यवकलनाभ्याम् । पूरणापूरणाभ्याम् ।  
चलनकलनाभ्याम् । यावदूनम् । व्यष्टिसमष्टिः ।  
शेषाण्यङ्केन चरमेण । सोपान्त्यद्वयमन्तम् ।  
एकन्यूनेन पूर्वेण । गुणितसमुच्चयः ।  
गुणकसमुच्चयः । प्रणवः ।

**गणित उपसूत्र GANITA UPSUTRA**

आनुरूप्येण । शिष्यते शेषसंज्ञः ।  
आधमाघेनान्त्यमन्त्येन । केवलैः सप्तकं गुण्यात् ।  
वेष्टनम् । यावदूनं तावदूनम् । यावदूनं  
तावदूनीकृत्य वर्गं च योजयेत् ।  
अन्त्ययोर्दशकेऽपि । अन्त्ययोरेव ।  
समुच्चयगुणितः । लोपनस्थपनाभ्याम् ।  
विलोकनम् । गुणितसमुच्चयः समुच्चयगुणितः ।  
प्रणवः ।

**LESSON-66**

**BLISSFULLY RECITE AND  
MEMORIES THE TEXT**

1. Text of Ganita Sutra and Upsutras avails in all  $(1+519+4 = 524)$  letters / syllables, in all including sole syllable Om and quadruple syllables formulation Parnavaha.
2. One shall blissfully recite this text.
3. With a few recitation exercise one will be memorizing the text of Ganita Sutra and upsutras, letter wise, in the sequence and order of Ganita Sutras and Upsutras.
4. With memorizing of the text of Ganita Sutras and Upsutras, the dependence upon the written text, as well, will wither away and whole exercise will become ‘mental in nature’, and that way, the Vedic Mathematics will completely become a mental mathematics.
5. During this year, the prime focus is only upon Ganita Sutras 1 to 4 and Ganita Upsutras 1 to 4.

6. One shall sequentially chase the text of Ganita Sutra 1 as per the composition as of two words nine and seven letters respectively.
7. This pair of word formulation of Ganita Sutra 1 shall be sequentially chased as per the placement of letters being availed by these pair of word formulations of the text of Ganita Sutra 1.
8. Likewise one shall chase text of each of Ganita Sutra 1 to 4 and of Ganita Upsutras 1 to 4.
9. Here, for the facility of convenient reference, the texts of Ganita Sutras 1 to 4 and Ganita Upsutra 1 to 4 are being tabulated letter wise, as follows:

Letter	ट	त्	ट	श्	च्	अ	श्र	अ	म्	अ
TCV	1	4	1	2	2	1	3	1	9	1
SN	21	22	23	24	25	26	27	28		
Letter	।	द्	ट	श्	अ	त्	अ	:		
TCV	9	2	1	2	1	4	1	13		

**Ganita Sutra-3**

ऊर्ध्वतिर्यग्याम्

*Urdhva tiryagbhyam.*

Vertically and crosswise

SN	1	2	3	4	5	6	7	8	9	10
Letter	ऊ	घ	र्	व्	अ	त्	इ	र्	य्	अ
TCV	6	7	2	7	1	4	2	2	1	1
SN	11	12	13	14	15					
Letter	ग्	भ्	य्	आ	म्					
TCV	3	8	1	2	9					

**GANITA SUTRA-1**

एकाधिकेन पूर्वेण

*Ekadhikena Purvena*

One More than One before

**Ganita Sutra 4**

परावर्त्य योजयेत्

*Paravartya Yojayet.*

Transpose and Apply

SN	1	2	3	4	5	6	7	8	9
Letter	ए	क्	आ	घ	इ	क्	ए	न्	
TCV	6	1	2	7	2	1	6	8	
SN	10	11	12	13	14	15	16		
Letter	प्	ड	र्	व्	ए	ण्	ट		
TCV	5	6	3	7	6	7	1		

SN	1	2	3	4	5	6	7	8	9	10
Letter	प्	अ	र्	आ	व्	ट	र्	त्	य्	ट
TCV	5	1	3	2	7	1	3	4	1	1
SN	11	12	13	14	15	16	17			
Letter	य्	ओ	ज्	अ	य्	ए	त्			
TCV	1	7	4	1	1	6	4			

**Ganita Upsutra – 1**

आनुरूप्ये

*Anurupyena.*

Proportionately

**Ganita Sutra-2**

निखिलं नवतश्वरमं दशतः

*Nikhilam Navataschramam Dasatah.*

All from 9 and the last from ten

SN	1	2	3	4	5	6	7	8	9	10
Letter	टा	न्	ड	र्	ऊ	प्	य्	ए	ण्	ट
TCV	2	8	3	3	6	5	1	6	7	1

**Ganita Upsutra – 2**

SN	1	2	3	4	5	6	7	8	9
Letter	न्	इ	ख्	इ	ल्	अ	।	न्	अ
TCV	8	2	2	2	5	1	9	8	1
SN	11	12	13	14	15	16	17	18	19

शिष्यते शेषसंज्ञ

*Sisyate Sesasamjnah.*

That remains is remainder

SN	1	2	3	4	5	6	7	8	9	10
Letter	श्	ठ	ष्	य्	ट	त्	ए	श्	ए	ष्
TCV	2	2	6	1	1	4	6	2	6	6
SN	11	12	13	14	15	16	17	18		
Letter	ट	स्	ट		जू	ज	ट	:		
TCV	1	3	1	9	7	1	1	13		

LESSON-67

GANITA SUTRA 1 AND GANITA UPSUTRA 1

Ganita Upsutra – 3

आधमाधेनान्त्यमन्त्येन

*Adyamadyen Antyamantyen.*

First with first Last with last

SN	1	2	3	4	5	6	7	8	9	10
Letter	आ	द्	य्	अ	म्	आ	द्	य्	ए	न्
TCV	2	6	1	1	9	2	6	1	6	8
SN	11	12	13	14	15	16	17	18	19	20
Letter	आ	न्	त्	य्	ट	म्	ट	न्	त्	य्
TCV	2	8	4	1	1	9	1	8	4	1
SN	21	22	23							
Letter	ए	न्	ट							
TCV	6	8	1							

Ganita Upsutra – 4

केवलैः सप्तकं गुण्यात्

*Kevalaih Saptakam Gunyat.*

Only Seven as multiplicand

SN	1	2	3	4	5	6	7	8	9	10
Letter	क्	ए	व्	ट	ल्	ऐ	:	स्	अ	प्
TCV	1	6	7	1	5	8	13	3	1	5
SN	11	12	13	14	15	16	17	18	19	20
Letter	त्	अ	क्	ट	।	ग्	अ	ण्	य्	टा
TCV	4	1	1	1	9	3	1	7	1	2
SN	21									
Letter	त्									
TCV	4									

GANITA SUTRA-1

एकाधिकेन पूर्वेण

*Ekadbiken Purvena*

One More than One before

GANITA UPSUTRA – 1

आनुरूप्ये

*Anurupyena.*

Proportionately

GANITA SUTRAS

1. Ganita Sutras are basis base of Vedic Mathematics.
2. Ganita Sutras include Ganita Upsutras the complete text of Ganita Sutra is of sixteen Ganita Sutras and thirteen Ganita Upsutras. This text is reproduced in appendix-1 of this book. Ganita Sutras text is in Devnagri script.
3. The text of Ganita Sutras (and Ganita Upsutras) avails 519 letters. Of these only 36 are the independent letters. With only a few recitations, one can memories this text. And, once the text stands memories, than there would, no more remain, dependence upon the return

text, and the entire exercise of Mathematics, would simply become a ‘mental exercise’. This is the reason why Vedic Mathematics is designated as ‘Mental’ Mathematics.

4. First feature of Ganita Sutra text is that it sequentially unfolds from within.

**GANITA SUTRA-1**

एकाधिकेन पूर्वेण

*Ekadhikena Purvena*

One More than One before

SN	1	2	3	4	5	6	7	8	9
Letter	ए	क्	ट	ध्	इ	क्	ए	न्	ट
TCV	6	1	2	7	2	1	6	8	1
SN	10	11	12	13	14	15	16		
Letter	प्	ड	र्	व्	ए	प्	ट		
TCV	5	6	3	7	6	7	1		

5. Ganita Sutra 1 is the source sutra. Text of Ganita Sutra 1 is a composition of 16 letters. The organization of these 16 letters is as of a sequential range of 16 steps. The working rule of Ganita Sutra 1 is ‘one more than before’. The text of Ganita Sutra 1 itself is as well organized as per its own rule of sequential organization ‘one more than before’. Further the organization of Ganita Sutras 1 to 16 as well is of organization availing the working rule of Ganita Sutra 1 being ‘one more than before’.
6. The range of values 1 to 16, as 16 steps parallel to 16 points along an interval, with fixation of the interval by triple points, (pair of end points, and the middle point) will make remaining organization as of

thirteen points (steps), which will leads us to the organization format of thirteen.

**GANITA UPSUTRA – 1**

आनुरूप्येण

Anurupyena.

Proportionately

SN	1	2	3	4	5	6	7	8	9	10
Letter	आ	न्	ड	र्	ऊ	प्	य्	ए	प्	अ
TCV	2	8	3	3	6	5	1	6	7	1

7. Ganita Upsutras, with Ganita Upsutra 1 being the source upsutra, the text of Ganita Sutra 1 is a composition of ten letters. The working rule of Ganita Upsutra 1 is ‘Proportionately / symmetrical / follow the form as it is framed’. The sequential organization of the text of Ganita Upsutra 1 as well is as per the working rule of Ganita Upsutra itself being ‘Proportionately / symmetrical / follow the form as it is framed’.
8. The working rule of Ganita Sutra 1: ‘one more than before’ along the interval as organization of 16 points, with 3 points preserved for fixation of the interval itself, when approach in terms of the working rule of Ganita Upsutra 1: ‘Proportionately / symmetrical / follow the form as it is framed’, the same shall be providing 3 additional points for the text range of ten letters (as ten points), and there by the organization range format of Ganita Upsutra 1 will emerges as thirteen points range format.
9. Ganita Sutra 1 and Ganita Upsutra 1, as such are the source values

working rules of basis base of mathematics.

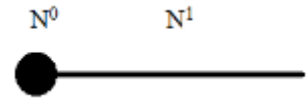
10. One shall sit comfortably and to permit the mind to fully comprehend the values and working rules of Ganita Sutra 1 and Ganita Upsutra 1.

■

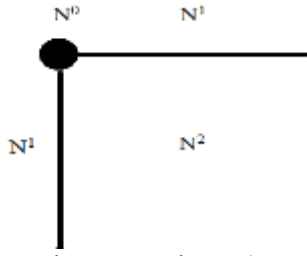
**LESSON-68**  
**GLARING APPLICATIONS OF**  
**WORKING RULE:**  
**ONE MORE THAN BEFORE**

1. One glaring application of working rule 'one more than before', which will help us reach at  $(10^1, 10^2, 10^3)$ , with the values range 1 to 10, to have only one perfect number, namely '6', and the values ranges 1 to 100, to have a pair of perfect numbers, namely (6, 28), and the numbers range 1 to 1000, to have triple perfect numbers, namely (6, 28, 496).
2. Perfect number is the number, whose all the proper divisor sum up equal to the number itself. Illustratively number six accepts three proper divisors namely (1, 2, 3) and  $(1+2+3) = 6$ .
3. Likewise, number 28 accepts five proper divisors namely (1, 2, 4, 7, 14) and  $(1+2+4+7+14) = 28$ .
4. Further number 496 accepts nine proper divisors, namely (1, 2, 4, 8, 16, 31, 62, 124, 248) and  $(1 + 2 + 4 + 8 + 16 + 31 + 62 + 124 + 248) = 496$ .
5. The another glaring application of working rule 'one more than before', is of uniform format of arithmetic's, algebra, geometry,

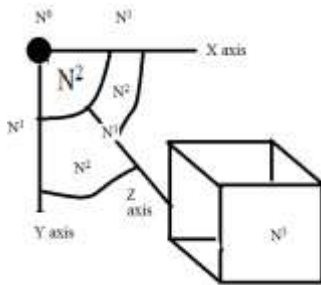
calculus and topology of half open interval.



6. Half open interval is a set up of a point (end point) and length portion of an interval.
7. This set up of an half open interval of length  $N$ , will accepts expression as a value  $N^0$  for the end point, and value  $N^1$  for the length portion.
8. Total value of this set up, as such, comes to be  $N^0 + N^1$ .
9. One may have a pause here and take note that the expression  $N^0 + N^1$  is the number value as arithmetic value  $= N+1$ .
10. Further as algebraic expression it would be accepting a form  $(X+1)^1$  as first degree equation for  $X = N$ .
11. Still further  $N^0 + N^1$  is the geometric expression value for the half open interval of length  $N$  units.
12. A step ahead  $(X+1)^2$ , as a second degree algebraic equation, for value  $X = N$  and  $X^0 + X^2 = N^2 = X^1$ , shall be leading to us to arithmetic value for  $(N+1)^2, N^2, 2N+1$  which further will lead us to the geometric set up of a 2-space body within a 2 dimensional frame of half dimension as that the origin will be set up  $N^0$ , pair of half axis will be of value  $N^1+N^1$  and the surface area of square (within the dimensional frame will be  $N^2$ ).



13. Still further, the equation  $(X+1)^3$ , form  $X = N$  shall be leading us to arithmetic value  $(N+1)^3 = N^3 + 3N^2 + 3N + 1$ , which is going to be parallel to the geometric format of a cube within a 3 dimensional frame of half dimension of value  $N$  each.



- 14. One shall sit comfortably and to permit the mind to fully comprehend and to completely appreciate thoroughly imbibe the above unified format of arithmetic, algebraic and geometry of an half open interval format.
- 15. These organization features will further bring us face to face with the calculus values coordinating  $(X^3, 3X^2)$ ,  $(X^2, 2X^1)$  and  $(X^1, 1X^0)$ .
- 16. Now let us shift from the format of an half open interval to format of close interval.
- 17. An interval with its both end points intact is designated as close interval.
- 18. A closed interval of length  $N$  permits expression as  $N^0+N^1+N^0$ .
- 19. The expression of closed interval as  $(N^1+2N^0) = N+2$  will help us appreciate the parallel algebraic and

arithmetic formats of algebraic expression  $(X+2)^1$  and of parallel arithmetic value  $X = N$ .

- 20. The algebraic equation  $(x+2)^2$  and  $(x+2)^3$  will lead us to parallel geometric formats of square and cube respectively and still further, the same shall be bringing us face to face with arithmetic value  $(N+2)^2 = N^2+4N+4$ , and  $(N+2)^3 = N^3+6N^2+12N+8$ .
- 21. It would be a blissful exercise to comprehend imbibe the values and features of unification format for arithmetic's, algebra and geometry of the format of closed interval.
- 22. A step ahead we can glimpse the unification format of the synthetic set up of a closed interval and half open interval.
- 23. It shall be leading to a set up of structural components of triple points (a pair of end point and a middle point), and a pair of length portion on the either side of the middle point up-till the reach of respective end points.
- 24. This will permits expression as  $N^0 +N^1 +N^0+N^1+N^0 = 2N^1+3N^0 = 2N+3$ .
- 25. Chase triple expression  $(2N+3)^1$ ,  $(2N+3)^2$  and  $(2N+3)^3$ .
- 26. It would be a blissful exercise to take note that interval as of 2 parts, square as of 4 parts and cube as of 8 parts shall be accepting respective structural components set ups parallel to the expansion of above triple expression namely  $(2N+3)^1$ ,  $(2N+3)^2$  and  $(2N+3)^3$ .
- 27. One shall visit and revisit the above illustrative applications of the working rule 'one more than before'

## Transcendental content

of Ganita Sutra 1 and to acquire proper insight and appropriate enlightenment about the basis base values of the working rule 'one more than before'. ■



## 18

**GANITA SUTRA 1 AND GANITA UPSUTRA 1**

This day the course focus is upon 'Ganita Sutra 1 and Ganita Upsutra 1'. It four folds aspects being taken up are as follows:

81. Ganita Sutra 1 and Ganita Upsutra 1
82. Ganita Sutra 1 and Ganita Sutra 2
83. Ganita Sutra 2 and Ganita Upsutra 1
84. Ganita Sutra 3 and Ganita Sutra 4

The values being covered are to be taught as lessons numbers 69 to 72 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-69****GANITA SUTRA 1 AND GANITA UPSUTRA 1**

1. Ganita Sutra '1' means literally means 'one more than before'. And, Ganita Upsutra '1' literally means 'to follow the form as it is'.
2. It leads to the rule of proportionately'. Also, it takes to the rule of 'symmetry'.
3. As such, Ganita Sutra 1 and Ganita Upsutra 1, together focus upon 'sequential order'.
4. In terms of such sequential ordering, one may beginning with the linear order of a line, at next step can reach at the spatial ordering of a plane.
5. And, a step ahead there would be a reach at ordering of solid format of 3-space bodies.
6. The sequential reach will continue ahead.
7. With it, the pure and applied value of working rules of Ganita Sutra 1 and Ganita Upsutra 1, individual and collectively makes a very rich mathematical domain.
8. Illustratively, beginning with number value '1', one may, a step by step, by the rule of Ganita Sutra 1 can reach at the set of counting numbers (1, 2, 3, 4 ...).
9. Also, by beginning with values  $1^1$ , one may reach at the power set ( $1^1, 1^2, 1^3 \dots$ ).
10. Also by beginning with (1x1), one may reach at (1x1, 1x2, 1x3, 1x4 ...).
11. Like that, a series of, different sequential values ranges, can be reach at an imaged by the working rule of Ganita Sutra 1 and Ganita Upsutra 1.
12. Still further, there can be reach at the sequence of (1-space, 2-space, 3-space, 4-space ...).
13. Corresponding reach can be at (interval, square, cube, and hyper cubes 4, 5, 6 ...).
14. Likewise, can be had a reach at (1, 1+2, 1+2+3, 1+2+3+4 ...).
15. Parallel to it, there would be a reach at the sequence of set [(1), (1, 2), (1, 2, 3), (1, 2, 3, 4), ...].
16. Likewise, can be had a reach at [(1, 2, 3, 4), (2, 3, 4, 5), (3, 4, 5, 6), (4, 5, 6, 7) ...].
17. Still further there would be a reach at single variable, double variables, triple variables, quadruples variables ...).
18. Also, can be had a reach at the sequence of first degree equation of single variable, second degree equation of single variable, third degree equation of single variable, fourth degree equation of single variable ...).

## Transcendental content

19. Polygons sequence, leads, dimensional frame, mile stone along a role, and the like there is going to be a very colorful spectrum of sequences, series and sequences of series, as well as series of equations whose chase can be managed by working rules of Ganita Sutra 1 and Ganita Upsutra 1.
20. The sequence of sequences settles mathematical system which inherently takes us from the format of organization of a linear order of a line to the format of the organization of the surface.
21. This as such, makes spatial format of a square, as the basic organization format.
22. One may have a pause here and take note that the text of Ganita Sutra and upsutras is having word formulation 'varga' as the basic formulation.
23. Out of the whole range of geometric format, the choice and option for the formulation 'varga' by the text of Ganita Sutra and upsutra, in itself settle the prominent role which format of varga is to plain in the Vedic mathematics systems.



**LESSON-70**  
**GANITA SUTRA 1 AND GANITA**  
**SUTRA 2**

**GANITA SUTRA-1**

**एकाधिकेन पूर्वेण**

*Ekadbiken Purvena*

One More than One before.

**GANITA SUTRA-2**

**निखिलं नवतश्चरमं दशतः**

*Nikhilam Navatasaramam*

*Dasatab.*

All from 9 and the last  
from ten

1. Working rule of Ganita Sutra 1: 'one more than before' structures construction of sequential range of number of count, as large, as may be desired.
2. Parallel to it, their results a construction of a line as big as would be desired.
3. This as such, leads to infinitely long line to accommodate whole range of counts range, of steps, as large in numbers, as may be desired.
4. Ganita Sutra 2 with its working rule: 'all from 9 and last from 10', leads to construction of ten place value system for chase of all the counts.
5. It is this attainment of transition from the mathematics of Ganita Sutra 1 to mathematics of Ganita Sutra 2 which deserves to be imbibed.
6. Basis base value of mathematics of Ganita Sutra 1 is the principle of

- sequential ordering of the objects / elements, and of steps of chase.
7. Basis base value of mathematics of Ganita Sutra 2 is the organization in terms of nine steps (numerals) of ten place value system.
  8. Working rule of Ganita Sutra 1: 'one more than before', as such, will make a mathematics of single digit counts, and a step ahead will make mathematics of Ganita Sutra 2, as a mathematics of double digit counts. And a step ahead mathematics of Ganita Sutra 3 will become a mathematics of triple digit numbers.
  9. Further, a working rule of Ganita Sutra 1 'one more than before' will sequentially begin with its first letter, namely a sixth vowel, and at the next step, it will reach at the second letter, namely the first Varga consonant (क्).
  10. Scriptures enlighten us as 'Ka Brahma'.
  11. Brahma, is a four head lord.
  12. With it, the first letter of the text of Ganita Sutra 1, namely sixth vowel gets associated with number six.
  13. A step ahead, the second letter of the text of Ganita Sutra 1, gets associated with number four.
  14. Accordingly first pair of letters of text of Ganita Sutra 1 get associated with a pair of numbers (6, 4).
  15. The symmetry rule of Ganita Upsutra 1 will take us from the pair of numbers (6, 4) to a pair of numbers (N+2, N) for all values of N.
  16. Now, nine numerals range of ten place value system, that way will take us to a pair of numbers (9+2, 9).

## Transcendental content

17. It would be blissful to take note that all digit numbers 01 to 99 of ten place value system, get accommodated by 9x11 grid / matrix as under:

01 02 03 04 05 06 07 08 09  
10 11 12 13 14 15 16 17 18  
19 20 21 22 23 24 25 26 27  
28 29 30 31 32 33 34 35 36  
37 38 39 40 41 42 43 44 45  
46 47 48 49 50 51 52 53 54  
55 56 57 58 59 60 61 62 63  
64 65 66 67 68 69 70 71 72  
73 74 75 76 77 78 79 80 81  
82 83 84 85 86 87 88 89 90  
91 92 93 94 95 96 97 98 99

18. It would be blissful to take note that above organization format of double digit numbers of ten place value systems permits split into 2 parts, firstly as numbers of the upper part including the numbers of the numbers line (10, 20, 30, 40, 50, 60, 70, 80, 90).

19. The second part of above organization format consists of number below the numbers line (10, 20, 30, 40, 50, 60, 70, 80, 90).

20. It would further be blissful to take note that the upper part has numbers line 11, 22, 33, 44, as a mirror line.

21. Likewise the lower part as a mirror line 55, 66, 77, 88, 99.

22. It would further be blissful to take note, both the upper part and lower part, organize numbers as reflection pairs of numbers like (01, 10), (02, 20), (03, 30), ....

23. The mirror line of upper part (11, 22, 33, 44) as such makes these quadruple self reflecting artifices.

24. Further nine reflection pairs (01, 10), (02, 20), (03, 30), (04, 40), (05, 50), (06, 60), (07, 70), (08, 80), (09, 90) are availing 'zero', as a one of the digit.

25. The above quadruple self reflecting artifices / number namely (11, 22, 33, 44) together with above nine reflection pair availing zero as one of the digit, together make a set of  $4+9 = 13$  reflection pairs.

26. The remaining reflection pairs of upper part are 16.

27. It would be a blissful exercise to tabulate 16 reflection pair of the upper part of which 'zero is not marking its presence as one of the digits'.

28. It would be blissful to take note that there are 16 sutras and 13 upsutras.

29. It would further be blissful to take note that it artifice 29 is structurally very rich as that the transcendental code value of formulation Brahma is 29.

30. It would further be blissful to take note that the prime range of number range 1 to 29 is (2, 3, 5, 7, 11, 13, 17, 19, 23, 29).

31. It would be blissful to take note that the prime range of numbers 1 to 29 is of ten primes.

32. As such, the mathematics of Ganita Sutras is of the feature of mathematics of ten primes.

33. The ordinary mathematics is of ten numbers (1 to 10) while mathematics of Ganita Sutras is of ten primes (2, 3, 5, 7, 11, 13, 17, 19, 23, 29) which takes us uptill number

range 1 to 29, and as number 30 is a composite number, as such the coverage range extends as 1 to 30.

34. It would further be blissful to take note that the volume of the cube is sustained by a structural set up of 29 components of cube, namely (8 corner points, 12 edges, 6 surface, 3 axes, 1 origin).
35. One shall sit comfortably and to permit the mind to fully comprehend the above features and values of Ganita Sutras mathematics.
36. One shall fully imbibe the above features and values to have its complete appreciation for proper insight and appropriate enlightenment about the mathematics of Ganita Sutras.

**LESSON-71**

**GANITA SUTRA 2 & GANITA UPSUTRA 1**

**GANITA SUTRA-2**

**निखिलं नवतश्चरमं दशतः**

*Nikhilam Navataschramam Dasatah.*

All from 9 and the last from ten

**GANITA UPSUTRA – 1**

**आनुरूप्येण**

Anurupyena.

Proportionately

1. Ganita Sutra 2 with its working rule: ‘All from nine and last from ten’. And Ganita Upsutra 1, with its working rule: ‘Proportionately / symmetrical / follow the form as it

is framed’, make a mathematics of ‘**All Place Value System**’.

2. The organization format features of place value system, as such come to be as that double digit numbers of ten place value system get accommodated by the  $N \times (N+2)$  grid / matrix.
3. Illustratively, double digit numbers of six place value system will be accommodated by  $5 \times 7$  grid, as under:-

01	02	03	04	05
10	11	12	13	14
15	20	21	22	23
24	25	30	31	32
33	34	35	40	41
42	43	44	45	50
51	52	53	54	55

4. It would be blissful exercise to chase split of above organization format into upper part including number line (10, 20, 30, 40, 50) and the lower part below this numbers.
5. It would further be blissful to chase reflection pairing of numbers of the upper part along the mirror line (11, 22) still further,
6. It would also be blissful to chase reflection pairing of number of the lower part along the mirror line (33, 44, 55).
7. Working rules of Ganita Sutra 1, Ganita Upsutra 1 and Ganita Sutra 2, together help us reach at the common polynomial format for chase of numbers along place value systems, as under  $AX^0 + BX^1 + CX^2 + \dots$ .
8. For  $X = 10$  and numerals range (1, 2, 3, 4, 5, 6, 7, 8, 9) will help work out numbers along ten place value

## Transcendental content

system on the above polynomial format.

Letter	य्	ओ	ज्	अ	य्	ए	त्			
TCV	1	7	4	1	1	6	4			

9. Likewise  $X = 6$  and numerals range (1, 2, 3, 4, 5) will help us chase numbers along six place value system on the above polynomial format
10. Likewise all others place value system can be worked out values of number all above polynomial format.
11. It will make a blissful exercise to convert value of number of ten place value system into six place value system, and also the other way around likewise one may reach from a given place value system into another require place value system.

1. Ganita Sutra 3 is the third sutra.
2. Sequentially Ganita Sutra 1, 2 and 3 will accepts sequential value triple (1, 2, 3).
3. Ganita Sutras 1, 2, 3 will also have sequential association of values of mathematics of single, double and triple digit respectively.
4. This will further take us to sequential progression of sequential triples, like:
  - (i) (1, 2, 3)
  - (ii) (single axis, double axis, triple axis)
  - (iii) (first axis, second axis, third axis)
5. The availability of symmetry rule of Ganita Upsutra 1, will help us have a reach from the sequential arrangement along a line to that of an arrangement along the circumference of a circle, where by the sequential triple (1, 2, 3) will help us have an arrangement of progression as (2, 3, 1), as well.
6. The sequential reach for the formats of Ganita Sutra 1, 2, and 3 will also bring us face to face with a single point fixation of a line, double points fixation of a line and triple points fixation of a line.
7. It will also further bring us face to face with the triple point fixation of a line with first step being the first end point as a starting point and, second point being the reach at the second end point, and finally the third point to take us the middle point.

### LESSON-72

#### GANITA SUTRA 3 AND GANITA SUTRA 4

#### GANITA SUTRA-3

ऊर्ध्वतिर्यग्याम्

*Urdhva tiryagbhyam.*

Vertically and crosswise

SN	1	2	3	4	5	6	7	8	9	10
Letter	ऊ	घ्	र्	व्	अ	त्	इ	र्	य्	अ
TCV	6	7	2	7	1	4	2	2	1	1
SN	11	12	13	14	15					
Letter	ग्	भ्	य्	टा	म्					
TCV	3	8	1	2	9					

#### GANITA SUTRA 4

परावर्त्य योजयेत्

*Paravartya Yojayet.*

Transpose and Apply

SN	1	2	3	4	5	6	7	8	9	10
Letter	प्	ट	र्	टा	व्	ट	र्	त्	य्	ट
TCV	5	1	3	2	7	1	3	4	1	1
SN	11	12	13	14	15	16	17			

8. These features, as such, will bring us face to face with the sequential mathematical reach, in the order of Ganita Sutra 1, 2, 3.
9. The first letter of the text of Ganita Sutra 1 being the sixth vowel has an association of number value six. The letter of the text of Ganita Sutra 1 namely in the first consonant has first association of number value four. And a step ahead, the third letter of the text of Ganita Sutra 1, being the elongated first vowel, the same as an association of number value 2.
10. Let us have a pause here and take note that the emerging values sequence (6, 4, 2), as such, bring us face to face with many features, like:
  - (i) (6, 4, 2) is of opposite orientation of value triples (2, 4, 6).
  - (ii) Value triples (2, 4, 6) is parallel to value triple (1, 2, 3).
  - (iii) Further the difference value (6, 4) is equal to the difference value (4-2).
  - (iv) Still further, the above differences values, in their generality, is of the format  $[(N+2)-(N)]$ .
  - (v) It is parallel to 1-space as dimension (axis) of 3-space (domain).
  - (vi) The triple (1, 3, 5) will take us firstly from 1-space as dimension to 3-space as domain, and secondly from 3-space as dimension to 5-space as domain.
11. Let us have a fresh look at the set up of half open interval, as a set up of a point and a line.
12. The close interval is of a set up of (point, line, point).
13. Further triple point fixation of a line will lead us to (point, line, point, line, point).
14. This set up will help us have an organization of:
  - (i) Half close interval and of
  - (ii) Half open interval
15. Let us have a fresh visit to the above features and we can comprehend as that at first step we are having a set up of an half open interval. At second step the reach is at closed interval. And third step, the reach is at a synthetic set up of a close interval and of a half open interval.
16. The above synthetic set up, with it split, will also help us reach at the organization has of a square, as a dynamic state format of a closed interval, which shall be making the middle point to pass through the centre of the square, and the third axis through the centre of the square will make a set up of half cube above the first phase of the square surface and second half of the cube, being towards the other phase of the square surface.
17. The sequential step also will take us, at the first steps as horizontal line progression, and the same at the second step leading to horizontal plane set up, and finally at the third step there can be reach as a vertical plane set up.
18. Still further, the triple steps progression may be at the first step being '1 as 1', and at second step being '2 as 1 and 1 as 2', leading to

## Transcendental content

$\frac{1}{2}$  as a working unit. And next there can be reach at  $\frac{1}{4}$  as a working unit.

19. One may have a pause here and take note that the vertical plane with its first part above the first phase of the square surface base, when splits into two parts, the same shall be making quarter square format for the working organization, and the same is available for the working rule of Ganita Sutra 3: 'vertically and crosswise'.
20. It would be blissful to glimpse and imbibe the above features and values of the organization and format of Ganita Sutra 3.
21. It would also be blissful to glimpse and imbibe the transition values for a reach at the organization format of Ganita Sutra 4 'transpose and apply to unite', by having a reach from the format of half part of the half square of Ganita Sutra 3 to reach at the second half of the half square.
22. One shall sit comfortably and to permit the mind to fully comprehend and to completely imbibe the above features and values of organization format of the working rule of Ganita Sutras 1, 2, 3 and 4.





**19**

**TEACHING ON FIRST PRINCIPLE**

This day the course focus is upon ‘teaching on first principle’. It four folds aspects being taken up are as follows:

- 85. Ganita Sutra 1 and Ganita Upsutra 1
- 86. Source Sutras and Source Upsutras
- 87. Teaching from the very beginning on first principal
- 88. Practical demonstration exercises of working rule of Ganita Sutra

The values being covered are to be taught as lessons numbers 73 to 76 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-73**

**GANITA SUTRA 1 AND GANITA UPSUTRA 1**

- 1. With the help of Ganita Sutra 1 and Ganita Upsutra 1, one shall reach at sequential arrangements for values.
- 2. First of all, one may pose to oneself the similarity and dissimilarity of feature and value in respect of the formulation of following setup: (One, first, single, sole, lone, along, lonely, oneness ...).
- 3. Further, one shall glimpse and imbibe the similarity and dissimilarity of following values setups: (1, 1<sup>0</sup>, 1<sup>1</sup>, 1<sup>-1</sup>, 1/1, 2/2, 3/3, (N x M)/ (N x M), (N x 1)/1 x N) ....).
- 4. To number the milestones, to number the roads, to roles out roll numbers ...
- 5. To sequential, polygons, to sequence cuecue.

- 6. To sequence variables and degrees of equations.
- 7. To sequence grids.
- 8. To sequence place value system.
- 9. To sequence geometric bodies, dimensional spaces, dimensional frames.
- 10. To construct a scale, to number thermometer, to construct measuring rods, to have numbers line, to have timeline, to sequence life span.
- 11. To distinguish unit length, unit area, unit volume.
- 12. To organized dictionary to prepare library catalogue of books.
- 13. To sequence numbers tables.
- 14. To sequence numerals.
- 15. To sequences finite strings.
- 16. To sequences infinite sequence of infinite sequences.
- 17. To sequentially unfold osculate.
- 18. To parallel sequence linear order and negative linear order.

**LESSON-74**

**SOURCE SUTRA AND SOURCE UPSUTRA**

- 1. Ganita Sutra 1 (Ekadhikena Purvena) is the source sutra and Ganita Upsutra 1 (Anurupyena) is the source upsutra.

**Ganita Sutra-1 एकाधिकेन पूर्वेण**

SN	1	2	3	4	5	6	7	8	9
Letter	ए	क्	आ	ध्	ठ	क्	ए	च्	ट
TCV	6	1	2	7	2	1	6	8	1
SN	10	11	12	13	14	15	16		
Letter	प्	ड	र्	व्	ए	प्	अ		
TCV	5	6	3	7	6	7	1		

## Transcendental content

### Upsutra – 1 आनुसूये

SN	1	2	3	4	5	6	7	8	9	10
Letter	आ	न्	उ	र्	ऊ	प्	य्	ए	प्	ट
TCV	2	8	3	3	6	5	1	6	7	1

2. Simple English Rendering of the working rule of Ganita Sutra 1 (Ekadhikena Purvena) is ‘one more than before’, and the simple English rendering of the working rule of Ganita Upsutra 1 (Anurupyena) is ‘to follow values proportionally’.
3. Ganita Sutra 1 leads to ‘sequential ordering’ of values of numbers and formats of bodies. And Ganita Upsutra 1 settles the rule of symmetry as of ‘steps of following the forms as are framed’.
4. ‘Sequential ordering of values of numbers and of geometric formats of bodies’, and ‘the steps of structural organization of forms as are framed’, together lead to the processing steps of Vedic systems steps, including that of Vedic Mathematics, in general, and Vedic arithmetic, in particular.
5. Ganita Sutra 1 and Ganita Upsutra 1, together are the source values of processing steps of Vedic Mathematics.
6. The working rule ‘one more than before’ of Ganita Sutra 1, helps us reach numbers values sequence ‘1, 2, 3, 4, ----’, and the emerging sequential ordering format of these values, with the help of the working rule of proportionately symmetrical values sequence, leads to the sequentially repeated values steps, bringing us face to face with:

- (i) ‘one, two, three, four, ---
- (ii) ‘single, double, triple, quadruple, --  
-
- (iii) ‘first, second, third, fourth, ---
- (iv) ‘firstly, secondly, thirdly, fourthly, -  
--
- (v) ‘(one), (one and two), (one, two and three), (one, two, three and four),----
- (vi) (1, 1+2, 1+2+3, 1+2+3+4, ---)  
and  
(1, 1 x 2, 1 x 2 x 3, 1 x 2 x 3 x 4---),  
and like that  
1, 2, 3, 4, 5, ---  
2, 3, 4, 5, 6, ---  
3, 4, 5, 6, 7, ---  
4, 5, 6, 7, 8, ---  
-- -- -- --
- (vii) (point, line, surface, solid, hyper solid 4, hyper solid-5, hyper solid-6, ---)
- (viii) (0-space body, 1-space body, 2-space body, 3-space body, 4-Space body, ---)
- (ix) (0-space, 1-space, 2-Space, 3-Space, 4-Space, ---)
- (x) (single dimension, double dimensions, triple dimensions, quadruple dimensions, ----)
- (xi) (first axis, second axis, third axis, fourth axis,---)
- (xii) (linear order, spatial order, solid order, creative order, ----)
- (xiii) Liner boundary, spatial boundary, solid boundary, creative boundary,---
- (xiv) Length, area, volume, hyper volume-4, hyper volume-5,---
- (xv) Linear origin, spatial origin, solid origin, creative origin, ---

- (xvi) Single variable, double variable, triple variable, quadruple variable, ----
  - (xvii) Linear equations, quadratic equations, cubic equations, creative power equations, ---
  - (xviii) 1 x 1 grid, 2 x 2 grid, 3 x 3 grid, 4 x 4 grid, ---
  - (xix) 1, 1 x 1, 1 x 1 x 1, 1 x 1 x 1, ----
  - (xx) 1/1, 1/2, 1/3, 1/4, 1/5, ---
7. Ganita Sutra 1 and Ganita Upsutra 1, together further bring us face to face with very rich spectrum of domains reach, illustratively
- (i) Interval as  $(x+2)^1$ , Square as  $(x+2)^2$ , Cube as  $(x+2)^3$ , ---
  - (ii) Total choices from (1, 2, 3, 4, --- N) for summation value n is  $2^{n-1}$  for values of n = 1, 2, 3, 4, --- n, n + 1, ----
  - (iii) Triangle, Rectangle, Pentagon, Hexagon, ---
  - (iv) Interval has two end points, square as four boundary lines, cube has six surface plates, hyper cube 4 has solid boundary of eight components, hyper cube 5 has creative boundary of ten components, ---
  - (v) Interval as one space body as dimensional frame of single dimension, Square as two space body as dimensional frame of two dimension, Cube as three space body as dimensional frame of three dimension, ----
  - (vi) (-1 space plays the role of dimension of 1-space), (0-space plays the role of dimension of 2-space), (1-space plays the role of dimension of 3-space), ----
  - (vii) Interval is hyper cube 1 of four folds (-1 space, 0 space, 1 space, 2 space); Square is hyper cube 2 of four folds (0 space, 1 space, 2 space, 3 space); Cube is hyper cube 3 of four folds (1 space, 2 space, 3 space, 4 space); ----
  - (viii) 1 as 1 leads to (1, 2, 3, 4, ---), 2 as 1 leads to (2, 4, 6, 8, ---), 3 as 1 leads to (3, 6, 9, 12, ---), ----
  - (ix) Right angle triangles (3, 4, 5), (6, 8, 10), (9, 12, 15), ----
  - (x) Right angle triangles (3, 4, 5), (5, 12, 13), (13, 10, 17), ---
8. Ganita Sutra 1 and Ganita Sutra 2 together lead to Ganita Sutra 2 and Ganita Upsutra 2 of values formats ten place value systems, and all other place value systems.
9. Ganita Sutra 1 and Ganita Sutra 2 lead to association of values for alphabet letters A to Z as:
- A = 1, B = 2, C = 3, D = 4, E = 5, F = 6,  
 G = 7, H = 8, I = 9, J = 10, K = 11, L = 12,  
 M = 13, N = 14, O = 15, P = 16, Q = 17, R = 18,  
 S = 19, T = 20, U = 21, V = 22, W = 23, X = 24  
 Y = 25, Z = 26.
- These associated values 1 to 26 of alphabet letters A to Z, in that sequence and order may be taken as the numbers values formats (NVFs) of the alphabet letters. It may be expressed as NVF (A) = 1, NVF (B) = 2, --- NVF (Z) = 26,
10. Further Ganita Sutra 1 and Ganita Upsutra 1 will help us reach at the

## Transcendental content

association of following values with different groups of letters of Devnagri alphabet, to be designated as transcendental code values of these letters.

### DEVNAGRI ALPHABET FORMAT

Transcendental code values format

#### Vowels

Letter      अ इ उ ऋ लृ ए ओ ऐ औ  
TCV values    1 2 3 4 5 6 7 8 9

#### Consonants

Letters      क ख ग घ ङ  
TCV values    1 2 3 4 5

Letters      च छ ज झ ञ  
TCV values    2 3 4 5 6

Letters      ट ठ ड ढ ण  
TCV values    3 4 5 6 7

Letters      त थ द ध न  
TCV values    4 5 6 7 8

Letters      प फ ब भ म  
TCV values    5 6 7 8 9

#### Other letters

Letters      य व र ल  
TCV values    1 3 5 7

Letters      श स ष ह  
TCV values    2 3 6 9

Letters      • ◌ ◌ ◌ ◌ ◌ ◌ ◌  
TCV values    9 10 11 12 13 14 15 16

Thy synonym is *Parnava*.

(*Tasey Vachka Parnava*) प्रणवः

TCV value (प्रणवः) = 36

11. It would be a blissful exercise to sequentially reach at the transcendental code values of the letters of the text of Ganita Sutra 1 of reach as follows :

### Ganita Sutra-1 एकाधिकेन पूर्वेण

1	2	3	4	5	6	7	8	9
ए	क्	टा	ध्	इ	क्	ए	न्	अ
10	11	12	13	14	15	16		
प्	उ	र्	व्	ए	ण्	ट		

12. It would further be a blissful exercise to sequentially reach at the transcendental code values of the letters of the text of Ganita Upsutra 1 of reach as follows :

### Ganita Upsutra – 1 आनुरूप्ये

1	2	3	4	5	6	7	8	9	10
आ	न्	उ	र्	ऊ	प्	य्	ए	ण्	ट

■

### LESSON-75 TEACHING FROM THE VERY BEGINNING ON FIRST PRINCIPAL

1. Teaching from the very beginning on first principal is a very fine art.
2. Ganita Sutras mathematics preserves multi-layered format and teaching about it, naturally is going to be of sequential steps.
3. These being so one shall be ever conscious, as to and which functional layer of the format of Ganita Sutras, one is working out particular mathematical operations.
4. Ganita Sutra 1, being the source sutra, as such, it values shall be fully imbibed.

5. Likewise Ganita Sutra 1, being the source upsutra, its values as well shall be fully imbibed.
6. Values pull of Ganita Sutra 1 and Ganita Upsutra 1 is the ultimate values reservoir of mathematics of Ganita Sutra and upsutras.
7. The learning and teaching of mathematics of Ganita Sutra and upsutra, as such would get indexed in terms of pure and applied values of above reservoir of mathematics values.
8. Conceptual reach at mathematical values, and also at mathematics entity like number on body and mathematical tools like measuring rod at sequential ordering, as well are settled in-terms of the values of above reservoir.
9. As such pure and applied value of 3-space mathematics, as basis base of 3-space Vedic Mathematics, Science & Technology are to be comprehended and imbibed in terms of the feature of above reservoir of values.
10. Accordingly, learning and teaching of 3-space mathematics is to be indexed with the above reservoirs of values which sequentially unfolds and manifests as Ganita Sutras 1 to 16 and Ganita Upsutra 1 to 13. The sequential organization of working rules of Ganita Sutras and upsutras are to be learned and to be taught in the sequence and order of Ganita Sutras and Ganita Upsutras .
11. It would be a blissful exercise to sequentially reach at the manifestation of cube as hyper cube 3 as a four folds manifestation layer (1, 2, 3, 4) by sequential approaching of working rule of Ganita Sutra 1 and Ganita Upsutra 1.
12. The linear dimension fold, along 3 different version of an interval will lead to unified format for arithmetic, algebra, geometry, calculus, measure theory, topology, manifestation, transcendence mathematics.
13. The spatial boundary at spatial order origin will lead to simultaneous parallel outer expansion, as well as inner expansion transition and transforming from linear order 3-space to spatial order 4-space.
14. Domain fold, creative origin and transcendental base will further add to the richness of pure and applied of 3-space as 3-space being domain fold, boundary fold and dimension fold.
15. All these values shall be learnt and to be taught and the basis base 3-space mathematics of 3-space Vedic Mathematics, Science & Technology shall be availed for the richness off of our existence phenomenon parallel to Tri-Loki being sustained by Tri-Murti.

■

**LESSON-76**  
**PRACTICAL DEMONSTRATION**  
**EXERCISES**  
**OF WORKING RULE OF GANITA**  
**SUTRA**

**1. One to one correspondence**

One to one correspondence to be demonstrated

- (a) Between the points of two intervals

## Transcendental content

- (b) Between interval segments of a pair of lines.
  - (c) Between points of a pair of planes.
  - (d) Between surface segments of a pair of planes.
  - (e) Between points of a pair of cubes.
  - (f) Between segments of a pair of cubes.
2. Shift of pebbles from one jar to another jar
- (a) Pebbles of a given jar be picked up one by one from the given jar and same be put into another jar.
  - (b) From a given jar pebbles be picked up in pairs, one by one, and the same be put up in another jar.
  - (c) Pebbles picked up on triples, from a given jar, one by one, and same be put in another jar.
  - (d) Pebbles be picked in quadruple in a given jar, one by one and same be put up in another jar.
3. Two sequentially number
- (a) Houses along the left side of a given street.
  - (b) To a lot roll numbers to the students of a class.
  - (c) To number mile stone along a role connecting village a with village b.
4. Binary picks
- (a) To have a pick of one coin from part A and one coin from part B and put and to have a pick of a coin of combined value of said 2 coins of 2 parts, from the third part.
  - (b) Pick one coin from part a and one coin from part B and to put both pick coins into part C. and to repeat this picking up exercise five times.
- (c) Pick up two natural numbers, add the same and put the added value number along a number line.
  - (d) Pick a number from number line A and to put the same along another number line. Repeat this exercise five times.
  - (e) Pick one '1' from the numbers range (1, 2, 3, 4, 5, 6) and to sequentially reach at (2, 3, 4, 5, 6).
  - (f) Count the pebbles of a given jar by sequentially attaching numbers values 1, 2, 3, 4, ... to the first, second, third, fourth and so on picks of the pebbles in sequential steps from the given jar.
  - (g) Pick up a number N from the number line A and further to pick up number M from the another given number line B.
-

## 20

**BASIC OPERATION**

This day the course focus is upon 'basic operation'. It four folds aspects being taken up are as follows:

85. Basic operation
86. Shift from base to index
87. Transformation of nine numerals of ten place value system
88. Tabulation of double digit numbers of different place values systems

The values being covered are to be taught as lessons numbers 77 to 80 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-77****BASIC OPERATION**

1. Ganita Sutra 1 **एकाधिकेन पूर्वेण** *Ekadhiken Purvena* approaches arithmetic operation in terms of values features **एकाधिकेन** *Ekadhiken* 'more than'.
2. This approach is inherently having comparative distinctive between a pair of values, with second value being more than the first value. That way, this approach, also brings in the ordering for the values as, first, second and so on.
3. With it, the ordering becomes of the features as that the second value is more than the first value.
4. Ganita Sutra 1 approach is further of the feature that the 'more than' feature is to be taken as number value **एक** Ek / one '1'.
5. Ganita Sutra 1 text, as it is compose, also poses a question as that 'one is more than what?' and answer of this poser is also there in the second word formulation of the text, namely '**पूर्वेण** *Purvena* , which means: 'that is before' (the one).
6. Let us have a pause here and to revisit the above poser and its answer embedded in the text of Ganita Sutra 1 itself.
7. Let us very gently phase out the chase of the above poser and its answer, being of following steps:
  - (i) Step 1 poser is: 'one is more than what?'
  - (ii) Step 2 means, the urge of the poser is to reach at, as to what is the value before one.
  - (iii) Step 3 the comparative reach from the value which is before one, and between 'one' itself.
  - (iv) Step 4 the comparison rule is of principle 'more than'.
  - (v) Step 5 this more feature, as it is, is of value unit **एक** Ek / one '1'
8. One shall have a pause here and take note that:
  - (i) 'The first value here together with more than value unit 'one', takes to the second value being 'one'.
  - (ii) With it, the first value becomes Nul, of value 'Nil', void state, as such, It is designated and is taken as Sunya (zero).
9. With it, the basic operation comes to be as of a reach from 'one', two', while 'one' itself, is of a reach from value immediately before being '0'.
10. This two folds reach from '1' to '2', is of increase feature, and is designated as addition, while the reach from '1' to its previous value

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state zero is of opposite orientation and the same being of decrease feature, it is designated as subtraction/ minus operation.

11. The repeated addition is designated as multiplication operations, while the repeated subtraction is designated as division operation.
12. With it, addition & subtraction and multiplication & division as paired pairs become quadruple basic operation.
13. One shall sit comfortably and to permit the transcending mind to revisit the above flow and manifestation of above four folds basic arithmetic operations from the basic working rule of Ganita Sutra 1. 'One more than before'.



### LESSON-78

#### SHIFT FROM BASE TO INDEX

1. With a shift from base to index, the working rule of Ganita Sutra 1: 'one more than before', leads to a different mathematical value.
2. Reach at base of working rule 'one more than before' is of a sequence of values (1, 2, 3, 4 ...).
3. However the reach at value to at the base is of expression  $2^1$ .
4. The value  $2^1$  will have its previous value  $2^0$  while the sub sequent value  $2^2$ .
5. One may have a pause here and take note that reach at the base of value 2 and its previous and subsequent values, makes the values triple (1, 2, 3).
6. However the value  $2^1$  together with its previous and subsequent values lead to values triples ( $2^0, 2^1, 2^2$ ) / (1, 2, 4).
7. One may further have a pause here and to have a revisit of triple pair (1, 2, 3) and 1, 2, 4).
8. It is this difference of mathematical value ranges being attained by the working rule one more than before', of Ganita Sutra 1, which deserves to be comprehended well for its complete appreciation to have imbibing of the difference of mathematical values reach at while working at the base and while working at the index.
9. One may have a pause here and take note that the repeated addition at the base and repeated addition at the index make different mathematical domain.
10. Repeated addition at base, retains progression along the base line itself.
11. However repeated addition at the index sequentially transits from given a dimensional order set up to the next higher dimensional set ups.
12. Value  $2^1$  accept a single axis format of 2 units, while the value  $2^{1+1}$  accepts a geometric format within a dimensional frame of a pair of axis of 2 unit each, making a surface area of four units.
13. One shall sit comfortably and to permit the transcending mind to distinctively glimpse and imbibe the distinguishing features of mathematics of working rule of Ganita Sutra 1 at base from that of mathematics of working rule of Ganita Sutra 1 at the index.
14. One shall specifically glimpsed and imbibe the distinguishing



mathematical value of multiplication as repeated addition at the base from that of multiplication s repeated addition at the index.

15. Parallel to it, one shall also distinctively glimpse and imbibe the difference of mathematical values of division as repeated subtraction at the base from that of division as repeated subtraction at the index.

**LESSON-79**

**TRANSFORMATION OF NINE NUMERALS OF TEN PLACE VALUE SYSTEM**

1. Ten place value systems accept nine numeral ranges (1, 2, 3, 4, 5, 6, 7, 8, 9).
2. This range of nine numerals (1, 2, 3, 4, 5, 6, 7, 8, 9), with five of its middle placement , help classify the numerals range as of two parts, the first being 1, 2, 3, 4, 5 to be designated as small numerals, while the second part 6, 7, 8, 9 is designated as of bigger numerals.
3. Vedic Mathematics systems reduce bigger numerals (6, 7, 8, 9) into smaller value numeral, by bringing in negative values numerals (-1, -2, -3, -4).
4. This process is known as vinculum systems of conversion of bigger numerals (6, 7, 8, 9) into smaller value positive and negative digit having expression of numeral (6, 7, 8, 9) of double digit format by the technique  $6 = 10-4$ ,  $7 = 10-3$ ,  $8 = 10-2$  and  $9 = 10-1$ .
5.  $6 = 10-4 = 1\bar{4}$ ,  $7 = 10-3 = 1\bar{3}$ ,  $8 = 10-2 = \bar{12}$  and  $9 = 10-1 = \bar{11}$ .

6. The above expression  $6 = 10-4 = 1\bar{4}$  is a double digit expression which avail positive numeral 1 and negative numeral  $\bar{4}$ . Likewise the double digit expression for 7 in terms of positive numeral 1 and negative numeral  $\bar{3}$ , and the double digit expression for 8 are in terms of positive numeral 1 and negative numeral  $\bar{2}$  and so on.

7. One may have a pause here and take note that negative  $\bar{1} = -1$ ,  $\bar{2} = -2$ ,  $\bar{3} = -3$ ,  $\bar{4} = -4$ . The conversion of nine numeral ranges (1, 2, 3,  $\bar{4}$ , 5,  $\bar{6}$ , 7,  $\bar{8}$ , 9) into (1, 2, 3, 4, 5,  $1\bar{4}$ ,  $1\bar{3}$ ,  $1\bar{2}$ ,  $1\bar{1}$ ) will help reduce mental progression as the bigger numerals values stands reduced into smaller number values.

8. Illustratively if we work the table of 9, we can working out by following step:

Step 1: 9- 09

Step 2:  $09 = 1\bar{1}$

Step 3: To have progression of table of nine in two columns in the working rule  $1\bar{1}$  as there would be decrease a value each step in column one while there would be an increase the value one at each step in column 2.

Rule of increase	Second column	First column	Rule of decrease
	09		
0+1	1	8	9-1

### Transcendental content

1+1	2	7	8-1	$1\bar{2}2$	$1\bar{2}3$	$1\bar{2}4$	$1\bar{2}5$	$1\bar{1}4$	1
				$1\bar{1}1$	$1\bar{1}2$	$1\bar{1}3$	$1\bar{1}4$	$1\bar{1}5$	1

Like that table of nine can be worked out for any number of steps.

9. For table of eight we can reach at  $8 = 08 = 1\bar{2}$  which will gives us the rule of decrease by 2 in first column and increase of 1 at each step.
10. Likewise one can write table of any number in sequential steps by reaching at column wise working rule with suitable conversion.
11. Here below is given the conversion for numbers 1 to 99 by replacing bigger digit numbers into smaller number value digit.

12. As the above table is expression of numbers values 1 to 99 in smaller digit expression of three digits of values (0, 1, 2, 3, 4, 5), ( $\bar{4}, \bar{3}, \bar{2}, \bar{1}$ ) as such the tables of numbers 1 to 99 can be written in 3 column progression. Illustratively a table of 75 would be the table of  $1\bar{3}5$ . As such, first column will have addition of value 5 at each step, while the second column of will have decrease of value 3 at each step and third column have will increase of value 1 at each step. Accordingly the table of 75 will have flow chart as under:

Table of numbers 1 to 99 converted into smaller digits, that is by having conversion for the bigger numeral 6, 7, 8, 9, in terms of smaller value digits as under:

					Rule of increase	Third column	Second column	First column	Rule of decrease
001	002	003	004	005	$01\bar{4}$	$01\bar{3}$	$01\bar{2}$	$01\bar{1}$	
010	011	012	013	014	$015$	$02\bar{4}$	$02\bar{3}$	$02\bar{2}$	
$02\bar{1}$	020	021	022	023	$024$	$025$	$03\bar{4}$	$03\bar{3}$	5+5 = 10
$03\bar{2}$	$03\bar{1}$	030	031	032	033	034	035	$04\bar{4}$	
$04\bar{3}$	$04\bar{2}$	$04\bar{1}$	040	041	042	043	044	045	
$05\bar{4}$	$05\bar{3}$	$05\bar{2}$	$05\bar{1}$	050	051	052	053	054	
055	$1\bar{4}4$	$1\bar{4}3$	$1\bar{4}2$	$1\bar{4}1$	$1\bar{4}0$	$1\bar{1}4$	$1\bar{1}3$	$1\bar{1}2$	
$1\bar{4}4$	$1\bar{4}5$	$1\bar{3}4$	$1\bar{3}3$	$1\bar{3}2$	$1\bar{3}1$	$1\bar{1}0$	$1\bar{1}1$	$1\bar{1}2$	
$1\bar{3}3$	$1\bar{3}4$	$1\bar{3}5$	$1\bar{2}4$	$1\bar{2}3$	$1\bar{2}2$	$1\bar{2}1$	$1\bar{2}0$	$1\bar{2}1$	

From first column there would be a carry of value 1 for the second column. As such, the value for the second column will become  $7-3 + 1 = 5$ , and accordingly the value of the table at second step will be 150.

Like that further steps of the table can be reach at just by the arts of addition and subtraction of column wise values.

13. One can practice computation of table.



**LESSON-80**

**TABULATION OF DOUBLE DIGIT NUMBERS OF DIFFERENT PLACE VALUES SYSTEMS**

1. Double digit numbers of N place value system are accommodated by  $(N-1) \times (N+1)$  grid / matrixes.
2. This  $(N-1) \times (N+1)$  grid format splits into upper and lower part as if these are embedded with mirrors.
3. Firstly the format splits into 2 distinct parts, and secondly each of these parts, organizes numbers as reflection pairs along their mirror lines.
4. This features of organization of double digit numbers deserves to be comprehended well, particularly of 10, 9, 8, 7, 6, 5, 4, 3 and 2 place value systems.
5. Here below being tabulated (10, 7, 5, 4, 3 and 2) place value double digit numbers and one shall revisit the same, and to tabulate double digit number of (9, 8 and 6) place value systems:

01	02	03	04	05	06	07	08	09
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63
64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99

ON SEVEN PLACE VALUE SYSTEM  
NUMBERS 1 TO  $6 \times 8 + 1$  i.e. 1 TO 49

01	02	03	04	05	06
10	11	12	13	14	15
16	20	21	22	23	24
25	26	30	31	32	33
34	35	36	40	41	42
43	44	45	46	50	51
52	53	54	55	56	60
61	62	63	64	65	66
					100

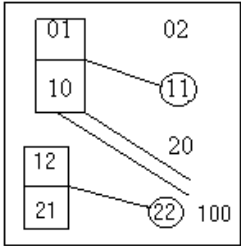
ON FIVE PLACE VALUE SYSTEM  
NUMBER 1 TO  $4 \times 6 + 1$  i.e. 1 TO 25

01	02	03	04
10	11	12	13
14	20	21	22
23	24	30	31
32	33	34	40
41	42	43	44
			100

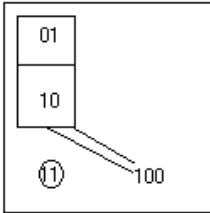
ON FOUR PLACE VALUE  
NUMBERS 1 TO  $3 \times 5 + 1$

01	02	03
10	11	12
13	20	21
22	23	30
31	32	33
		100

ON THREE PLACE VALUE  
NUMBERS 1 TO  $2 \times 4 + 1 = 9$



ON TWO PLACE VALUE  
NUMBER 1 TO  $1 \times 3 + 1$   
i.e. 1 to 4



**21**

**VERTICAL AND CROSSWISE  
FORMAT**

This day the course focus is upon ‘vertical and crosswise format’. It four folds aspects being taken up are as follows:

- 89. Vertical and crosswise format
- 90. Split of square values
- 91. To reach at prime
- 92. Learning for teaching and learning while teaching

The values being covered are to be taught as lessons numbers 81 to 84 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-81**

**VERTICAL AND CROSSWISE  
FORMAT**

1. Ganita Sutra 3 with its working rule of ‘vertical and crosswise format’, in case of pair of numbers of single digits (a, b) with their double digit format (0a, 0b) lead to multiplicand of three parts:
  - (i) First part value (0x0)
  - (ii) Second part value (0xb+0xa) = (0)
  - (iii) Third part value ab
  - (iv) Resultant multiplicand value = (0+0+ab) = ab.
2. The general rule expression of above vertically and crosswise format for multiplication of a pair of double digit numbers comes to be:
  - (i) First part = second digit of first number x second digit of second number.
  - (ii) Second part = second digit of first number multiplied by

first digit of second number + first digit of first number x second digit of second number.

- (iii) Third part = first digit of first number x first digit of second number.

3. Pictorially above steps format can be depicted as under:

- (i) Vertical line connecting second digits of both numbers.
- (ii) Pair of digit of both numbers to be coordinated crosswise.
- (iii) First digits of both numbers to be coordinated by a vertical line.
- (iv) A step ahead, pair of numbers of three digit each, to accepts pictorial representation as under:

- (v) The above pictorial representation of five parts:
  - (a) First part is a single vertical line coordination.
  - (b) Second part is a cross of a pair of lines.
  - (c) Third part is a cross separated by a middle vertical line.
  - (d) Fourth part is a cross of a pair of lines.
  - (e) Fifth part is a single vertical line.

4. The symmetry of above format, brings to focus that the end result of multiplication along above format can be reached by progressing left to right, as well as from right to left.

5. The above format, when availed for square of, say a triple digit number ‘321’, it shall be the result of summation of values of five duplexes, namely:

- (a) (3)
  - (b) (3, 2)
  - (c) (3, 2, 1)
  - (d) (2, 1) and
  - (e) (1)
6. The values of above five duplexes come to be  $(3^2, 2 \times 3 \times 2, 2 \times 3 \times 1 + 2^2, 2 \times 2 \times 1, 1^2)$ .
  7. This range of five values (9, 12, 10, 4, 1) on carry forward of the second digit of above pair of digit values, namely (12, 10), as such shall be leading to the value (103041), which is the value of square of triple digit number 321.
  8. Likewise, one may reach at square of numbers of any number of digits.
  9. The above formats, will simultaneously help square any polynomial of any degree of a single variable.
  10. It will make a very blissful exercise to reach at squares of single, double, triple and quadruple digits numbers.
  11. It will further make a very blissful exercise to square polynomial of single variable of first, second, third and quadruple degree.



**LESSON-82**

**SPLIT OF SQUARE VALUES**

1. One way to split square value  $N^2$  is to sequentially progress as (1, 2, 3, 4, ..., N) and thereafter to sequentially increase as (N+1, N+2, N+3, ..., 3, 2, 1) and to have a split for  $N^2$  square value as a range of above values.
2. This split organization also can be viewed as that for  $N^2$  values, one shall begin with value n and to have decreasing along its both sides and

- to have reach at value '1' on both ends.
3. The other way to split square values is to reach at
    - (i)  $1^2 = 1$ , the first odd number.
    - (ii)  $2^2 = 4, 1+3$ , summation of first pair of odd numbers.
    - (iii)  $3^2 = 9 = 1+3+5$ , summation value of first triple odd numbers.
    - (iv)  $4^2 = 16 = (1+3+5+7)$ , summation value of first quadruple odd numbers.
    - (v) And like that one can have a reach up-till  $N^2$  as a summation value of first N odd numbers.
  4. The above first split of square is of the format of a two folds flow from the middle of its reach on either side in sequential steps at the end value '1' on both sides.
  5. The above second split format is parallel to sequential manifestation along the (dimension, domain format as that 1-space as dimension manifests 3-space domain, which at next step as 3-space dimension manifests 5-space, and the same at next step as 5-space manifests 7-space domain and so on.
  6. This manifestation process as such, sequentially become the format value being square of one spatial unit, square of four spatial units, square of 9 spatial units, square of 16 spatial units and so on.
  7. The above pair of square split format, when viewed together the same shall be bringing us face to face with transcendence and ascendance feature at the centre of the square and making a vertical line of equal

## Transcendental content

length along both phases of the surface.

8. It is this feature which deserves to be comprehend well for its complete appreciation to have full imbibing their off for proper insight and appropriate phenomenon about this mathematical value.
9. It would be blissful to re-glimpse square as hyper cube 2, a representative regular body of 2-space with 3-space as origin.
10. One shall revisit centre of the square as a seat of 3-space origin.
11. 3-space is a linear order space, as such this order, with availability of spatial base, will manifests third axis as a vertical line for the horizontal plane.
12. Further, because of it, the horizontal plane shall be manifesting a pair of phases.
13. Accordingly the vertical axis split into a pair of half axis, the first half of which will be making a third axis along the first phase of the axis and the second half of vertical axis make third axis for the second phase of the axis.
14. One shall sit comfortably and to permit the transcending mind to comprehend well the above feature of the square split phenomenon and to completely appreciate the same to have its full imbibing.

■

### LESSON-83

#### TO REACH AT PRIMES

1. Square format helps us sequentially reach at primes.
2. For it, given square  $N^2$ , the other split for it  $M^2 = MS$  will make either M

to be less than N are S to be less than N.

3. As such  $N = B$  prime will help us short out all composite up-till  $P^2$  by striking out the multiplies of all the primes up-till prime P.
4. With  $P = 2$ , as prime and by striking out all multiplies up-till  $2^2$ , we will left with number '3' and same will become another prime having being reached at in the process.
5. Now  $P = 3$ , together with previous prime 2 will help us reach at primes up-till  $3^2$  by striking out the multiplies of 2 and 3 from the range of numbers 1 to 9.
6. Accordingly we will have a reach at primes (2, 3, 5, 7).
7. Now with the help of  $P = 7$  we can reach at prime up-till  $7^2 = 49$  by striking out multiplies of (2, 3, 5 & 7) from the range of number 1 to 49.
8. It will be a reach at primes (2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47).
9. With availability of above range of prime, with 47 as the biggest prime of this range, the same will help us reach at prime of the reach at the number of 1 to  $47^2$ .
10. One may have a pause here and take note that for a reach for prime up-till number  $N^2$ , there would be a lead of availability of prime only up-till number value N.
11. As such, the prime up-till number value 10 can be worked out with the help of prime up-till '3'.
12. Further, the prime up-till 100 can be worked out with the prime up-till 10, a step ahead, prime up-till 10000



can be worked out with the help of prime up-till 100 only.

13. And, the prime up-till 1000 can be worked out with prime up-till 31.
14. Now as the prime up-till 31 are (2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31), as such by striking multiples of these primes we can reach at prime up-till 1000.
15. It will be very blissful to work out primes up-till 1000.
16. As for as, the prime '31' is concerned, it would be required to strike out the number 31 to 31.
17. However, 29 is to be avoided for striking out ( $29 \times 29$  and  $29 \times 31$ ).
18. Prime 23 is to be avoided for striking out  $23 \times 23$  for striking out ( $23 \times 23$ ,  $23 \times 29$  and  $23 \times 31$ ).
19. Number 19 is to be avoided for striking out ( $19 \times 19$ ,  $19 \times 23$ ,  $19 \times 29$  and  $19 \times 31$ ).
20. Proceeding other way round, prime 2 will strike out all even number bigger than 2.
21. Prime 3 will strike out all multiples of three, may be even or odd, but as even numbers already stand strike out by prime 2, there for only odd numbers lead be taken up for striking out of multiples of 3.
22. Prime 5 as number value 5 will help strike out all multiple of five, bigger than '5' itself. However as, the multiples of 2 and 3 having being already applied for their multiples of 2 and 3, there for it is only, out of the remaining number that multiples of five would be required to be strike out.
23. Likewise, chase can be from prime 7 onwards.

24. This way one shall reach at tabulation for the primes of numbers range 1 to 1000.



### LESSON-84

#### LEARNING FOR TEACHING AND LEARNING WHILE TEACHING

1. Learning approach shall be of dual values, firstly as that, one shall learn for teaching, and secondly to continue learning while teaching.
2. Students of this year course of basis base 3-space mathematics for 3-space Vedic Mathematics, Science & Technology shall imbibe above two folds value during this course.
3. One shall aim to learn 3-space mathematics within aim to teach the same to other and also to continue learning while teaching 3-space mathematics.
4. One shall draw one's own sequence of teaching steps of 3-space mathematics. Naturally, one's sequence of teaching steps would be the way one feel that one should have been taught the subject the way they are successful to comprehend and imbibe the values of 3-space mathematics.
5. The difficulties, which one may have released by learning, would naturally get blungted in one's own sequence of teaching steps of 3-space mathematics.
6. Further, while one would be teaching, one shall be more intimately releasing the aspects of values of 3-space mathematics. It is this intimate confrontation of the values of 3-space mathematics which will be en-reaching one's

## Transcendental content

comprehension and imbibing of values of 3-space mathematics, with more intimate interaction of learning 'facility of one's mind, with itself.

7. It is this self interacting virtue of mind which gets activity, while one is teaching the values having already being learnt, and as a result one continues learning more and more by teaching the value already learn.



## 22

### LEARNING WHILE TEACHING

This day the course focus is upon 'Learning While Teaching'. It four folds aspects being taken up are as follows:

89. Learning while teaching
90. Recapitulate what has been learnt up-till class 8
91. Ganita sutra steps of arithmetic operations
92. Square and square roots

The values being covered are to be taught as lessons numbers 85 to 88 to the students of 3-space Vedic Mathematics, Science & Technology.

### LESSON-85

#### LEARNING WHILE TEACHING

1. Naturally, in the scheme of thing, the sequential teaching, aiming to cover the whole range of learning, for beginning to end, about the values of 3-space mathematics, shall be requiring intimate interaction with the terms like, number value 3, solids, 3-space, 3 dimensional frame, artifices of number value 3, representative regular bodies of 3-space, 3-space content, manifestation of 3-space content as volume (domain fold) of 3-space bodies, the different structural components of solids, different roles of 3-space bodies, transcendence through the manifestation format of 3-space content as domain fold.
2. Also, one shall be confronted with the posers of the applied values of 3-space mathematics, while one would be absorbed for settling the

sequence of teaching of values of 3-space mathematics.

3. The applied values projections will bring to mind, the availability of linear order (dimensional fold) spatial geometric envelop (boundary fold), solid domains (volume)/domain fold) and creative origin (4-space as origin fold).
4. Further, the transcendental base (5-space as base) of creative origin 4-space as origin) of solid domain (3-space domain), will also come to pointed attention as to the reach of applied values of 3-space mathematics.
5. Dimension fold manifesting as a dimensional frame of 3 linear axis, in itself will be leading to the frames within which applied values of 3-space mathematics, will express themselves.
6. Spatial boundary as geometric envelop of cube as a set up of 26 structural components, namely 8 corner points, 12 edges, 6 surfaces, will provide a functional format for the applied values reach of 3-space mathematics.
7. Domain fold itself as 3-space content lump will be bringing to focus the domain split spectrum, as well as transcendence phenomenon through domain along its dimensions, and a step ahead along dimension of dimension, and these values add to the applied value mathematics of 3-space.
8. Creative origin (4-space as origin) being a spatial order set up, while solid domain being a linear order set up, and origin fold being of a placement of at centre of the cube,

## Transcendental content

which gets sealed with superimposition of origin of a three dimensional frame, that way will make domain fold as a sealed set up.

9. Sealed 3-space domain brings in a very big volume of applied values.
10. The unsealed state of domain fold brings in the transcendence phenomenon, as a result of which their happen to be a transcendence from linear order 3-space domain into spatial order 4-space domain as its reach up-till solid order 5-space origin of 4-space.
11. This transcendence phenomenon, as well brings in a very big range of applied values of 3-space mathematics.
12. A step ahead, the transcendental base (solid order 5-space base) of creative origin (spatial order 4-space origin) is a lively reservoir of applied value 3-space mathematics.
13. These features as these are bring to focuses the 5 different roles, firstly as domain fold, secondly as dimension fold, followed by roles as of boundary fold, origin fold and base fold.
14. These features permit depiction as 5x5 grid / matrix as under:

-1	0	1	2	3
0	1	2	3	4
1	2	3	4	5
2	3	4	5	6
3	4	5	6	7

15. One shall re-capitulate as to how one had learnt, comprehend and imbibed above features while taking this course.

16. One shall further re-capitulate as to how one had learnt more about features while teaching above features.

17. This comparative index of learning at two phases, while taking the course and while teaching values learnt during the course, will be bringing oneself face to face with one's own learning process at two phases of learning and teaching.

18. One shall regularly evaluate oneself about one's learning and in-terms there off one shall update of one's dictionary of 3-space Vedic Mathematics.

■

### LESSON-86

#### RECAPITULATE WHAT HAS BEEN LEARNT UPTILL CLASS 8

1. Focus up-till class 8 has been, primarily upon arithmetic.
2. Focus upon arithmetic, as well as, up-till class 8 has been upon four basic arithmetic operation, addition, subtraction, multiplication and division.
3. These basic four operations, on their visit and reach in terms of Ganita Sutras, the number of working steps gets reduced to minimum, and as a result to computation has become much convenient. Further, the chase of these operations upon the numbers organized along ten place value system provided much incite about the way digits were becoming parallel to coefficients of corresponding polynomials of a single variable, with the variable itself going parallel to ten place value systems. Variable symbol X

and number value 10 (with parallel expression X) makes the things more blissful. ■

4. This, as such, has brought us face to face with the algebraic format for arithmetic operation.
5. During this year course, we shall acquiring incite as to geometric format for algebra and arithmetic.
6. This unified format of geometric, algebra and arithmetic as also be potentiality to provide simultaneous unified format approach for calculus, measure theory and topology as well.
7. It would further also lead to the disciplines of manifestation and transcendence at the base of geometric format itself.
8. This way, it would be blissful that we shall revisit the basic arithmetic operation and to acquire further deeper inside about the values of the potentiality of arithmetic operations facilitating algebraic, geometric and other computation of the domain of calculus measure theory, topology, as well as the permissible chase of manifestation and transcendence phenomenon along artifice of number and dimensional frames running parallel to each other.
9. The synthesis of dimensions and dimensional frames, as well as the transcendence through domain, and the domain split spectrum, as well, are permitting efficient chase along artifices of number, which go parallel to dimensional frames, and there by mathematics operations get fully unified.

**LESSON-87**

**GANITA SUTRA STEPS OF ARITHMETIC OPERATIONS**

One shall re-capitulate, re-visit and to re-chase Ganita Sutra steps for applications of arithmetic operations of the following illustrative situation being preserve and demonstrated with focus in the Vedic Mathematics book of Swami Bharti Krishna Tirtha Ji Maharaj.

- (i) Working rule of Ganita Sutra 1
- (ii)  $1/19, 1/29, 1/49,$   
 $1/19 =$   
 $1/29 =$   
 $1/49 =$
- (iii) Working rule of Ganita Sutra 2
- (iv) Working rule of Ganita Sutra 3
- (v) Working rule of Ganita Sutra 4

**LESSON-88**

**SQUARE AND SQUARE ROOT**

1. General Quadratic (2nd degree) polynomial, single variable is of the expression:  
 $Ax^2 + Bx + C$
2. Coefficient triples A, B, C, permit expression as 'ABC'.
3. This expression 'ABC' becomes the value 'ABC' of X-placement value system with 'ABC' being the values of numerals of X place value system.
4. Illustratively number value 312 of ten place value system will permit its expression in quadratic polynomials for  $X = 10$  and 3, 1, 2 as values of

## Transcendental content

the numerals of ten place value system, as:

$$3(10^2) + 1(10^1) + 2$$

5. The composition of quadratic equation  $AX^2 + BX^1 + CX^0 = (ax^1 + bx^0)x(cx^1 + dx^0)$  give us the algebraic format for squaring and square root of the numbers when  $a = c$  and  $b = d$ .
6. The working rule of Ganita Sutra 3: 'vertically and crosswise' helps us reach at the product value  $(ax^1 + bx^0)x(cx^1 + dx^0)$ .
7. The reverse steps of above process help us reach at the square root of the quadratic polynomial  $AX^2 + BX^1 + CX^0$ .
8. The above direct and reverse steps can be computed mentally. The basis of these calculations for reach at the squares or square roots, and the roots of the quadratic equation can be chased.

**23**

**NUMBERS VALUES 1 TO 100**

This day the course focus is upon ‘numbers values 1 to 100’. It four folds aspects being taken up are as follows:

- 93. Number values 1 to 100
- 94. Number values 1 to 1000
- 95. General
- 96. Space content and space body

The values being covered are to be taught as lessons numbers 89 to 92 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-89**

**NUMBER VALUES 1 TO 100**

- 1. Number values 1 to 100 are hundred in number.
- 2. These get classified as odds and evens, of cardinality of 50 each.
- 3. The difference between pair of consecutive odds and consecutive even is ‘2’, which makes them of the format (N, N+2), which is parallel to the format of (dimensions, domain).
- 4. Values sequence (2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46, 50, 54, 58, 62, 66, 70, 74, 78, 82, 86, 90, 94, 98) are parallel to summation of four folds manifestation layers (N-2, N-1, N, N+1) of hyper cube N, N = 1 to 25.
- 5. One may have a pause here and take note that there are 25 primes upto number value 100, namely (2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97).
- 6. Hyper cubes 1 to 25, respectively accepts (3, 5, 7, 9, 11, 13, 15, 17, 19,

21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51) versions parallel to geometries ranges of 1-space to 25-space.

- 7. Hyper cubes 1 to 25, respectively accepts boundary components (2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50).
- 8. Hyper cubes 1 to 25 are respectively of dimensional orders (-1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23).
- 9. Double digit numbers 01 to 99, permits representation along 9x11 grids format as under:

01	02	03	04	05	06	07	08	09
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63
64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99

- 10. The above grid 9x11 is organize as upper part and lower part in terms of the mirror line diagonal (10, 20, 30, 40, 50, 60, 70, 80, 90).
- 11. The upper part of this grid has a mirror line diagonal (11, 22, 33, 44 and in terms there of the numbers of this part get organized as reflection pairs (01, 10), (02, 20), (03, 30), (12, 21), (04, 40), (13, 31), (05, 50), (14, 41), (23, 32), (06, 60), (15, 51), (24, 42), (07, 70), (16, 61), (25, 52), (34, 43), (08, 80), (17, 71), (26, 62), (35, 53), (09, 90), (18, 81), (27, 72), (36, 63), (45, 54).

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12. These 25 reflection pairs together with 4 self reflecting artifices (11, 22, 33, 44) make the structural constitutions of the above upper part of the grids  $9 \times 11$  of double digit numbers of ten place value systems.
13. Of the above 25 reflection pairs, nine of them namely (01, 10), (02, 20), (03, 30), (04, 40), (05, 50), (06, 60), (07, 70), (08, 80) and (09, 90) are having number value zero as the basic digit, while remaining 16 reflection pairs are not having a zero as a digit.
14. This way the above 29 constitutions of upper part get grouped as (16, 13) constitutions pair parallel to the organization of Ganita Sutra and upsutras being (16, 13) respectively.
15. One may further have a pause here and take note that  $29 = 25 + 4 = 5^2 + 2^2$ . And further as that 2-space as five geometry ranges. Still further as that 2-space plays the role of dimension of 4-space while 5-space plays the role of origin of 4-space.
16. Still further as that, hyper cube 4 is four fold manifestation layers (2, 3, 4, 5).
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
18. Values range 1 to 100 has ten steps long square values range (1, 4, 9, 16, 25, 36, 49, 64, 81, 100).
19. These has domain values lead to (-1, 2, 7, 14, 23, 34, 47, 62, 79, 98) as dimensions folds ranges.
20. Cubes range is of four steps up-till number value 100 namely (1, 8, 27, 64).
21. Up-till one thousand, cube range is ten steps long namely (1, 8, 27, 64, 125, 216, 343, 512, 729, 1000).
22. One may have a pause here and take note that square value range up-till one thousand is 33 steps long of values ( $1^2, 2^2, 3^2, 4^2, 5^2, 6^2, 7^2, 8^2, 9^2, 10^2, 11^2, 12^2, 13^2, 14^2, 15^2, 16^2, 17^2, 18^2, 19^2, 20^2, 21^2, 22^2, 23^2, 24^2, 25^2, 26^2, 27^2, 28^2, 29^2, 30^2, 31^2, 32^2, 33^2$ ).
23. One may have a pause here and take note that values pairs (31, 33) is parallel to (dimension, domain) format.
24. Further as that, number value 31 is parallel to 31 structural components set up of cube (8 corner points, 12 edges, 6 surfaces, 1 volume, 3 axes, 1 origin).
25. Further as that number 31 is the synthesis value of a pair of linear transcendental ranges (1, 2, 3, 4, 5) and (1, 2, 3, 4, 5).
26. Further as that (33, 35) as well is of the format parallel to (dimension, domain) format.
27. Further as that, (35, -35) constitutes a reflection pair.
28. Still further as that, number value (-35) is the synthesis value of pair of negative transcendental transcendence ranges (-5, -4, -3, -2, -1) and (-5, -4, -3, -2, -1).
29. Still further as that  $35 = 5 \times 7$  which is parallel to the dimensional value of dimensional frame of 7-space constituted by 7 transcendental dimensions.
30. Still further that  $35 = 36 - 1 = 6^2 - 1^2$ .



31. It would be a blissful to take note that  $6^2 = (1+2+3+4+5+6+5+4+3+2+1)$  and this way the synthetic format of a straight line as a pair of straight lines of opposite orientations is making the calculus simple having transformation for cubes and squares being tamed as intervals.

■  
**LESSON-90**

**NUMBER VALUES 1 TO 1000**

1. Number value  $1000 = 999 + 1 = 33^2 + 1^2$ .
2. Values range 1 to 33 has eleven prime namely (2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31).
3. Every number of the range 2 to 1000 is either prime or is having (2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31) being its factors.
4. Number value 2 takes care of all the even numbers.
5. Number value 3 takes care of multiplies of 3.
6. Number value 5 takes care of multiplies of 5.
7. Number value 7 takes care of multiplies of 7.
8. Likewise, number (11, 13, 17, 19, 23, 29, 31) takes care of theirs multiplies.
9. Proceeding like that we can reach at primes up till one thousand.
10. Triple digits numbers 001 to 999 gets classified as triples which have zero digit or not.
11. Triple ABC leads to 6 fold expressions as ABC, BCA, CAB, ACB, BAC and CBA.
12. This feature when availed brings us face to face with the organization format feature of triple digit numbers.
13. This feature brings us face to face with the organization of having fixation of a middle point for a giving pair of points.
14. Reach at the middle point is reach of the third step of which first would be of a having a fixation of first point, second step would be of fixation of second point and third step would be reach at the middle points.
15. This brings third point of middle placement.
16. Further as that, there would be a pair of orientation, as either of the given pair of points can be the first point.
17. This feature deserves to be comprehended well for its full appreciation.
18. This will brings us face to face with as to how the double digit set up will leads to triple digit set up by accommodating third digit at the middle placement of the pair of digit.
19. One may have pause here and take note that the middle placement, naturally is going to be of a fluctuating nature and as such, it continue would follow by the gap in between the pair of points becoming a single count, though of a different generic.
20. Points as of initial counts generic and the gaps between the points being of a different count generic, which is the feature which deserves to be comprehended well, with this

## Transcendental content

glimpsing and imbibing one may be acquire insight and would be attaining enlightenment as to the recognition of necessity by the Vedic system to simultaneously work with a pair of counts generic.

21. Ones this is available, we will reach at a system of simultaneously working with the pair of consecutive dimensional space at a time.
22. It will amounts to working with domain and boundary simultaneously
23. It would be a blissful to take note that NVF (mathematics) = NVF (square) + NVF (cube).
24. It would be a blissful to work with the format  $y^2 = x^3$ .
25. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the format value features of following transcendental code value equations:  
TCV (ANNAT) = TCV (SAHASTRA) = 23 = NVF (END). Sahastra means 1000 and Annat means while never comes to an end.
26. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values

### LESSON-91

#### DIMENSIONAL DOMAIN

1. The term 'dimensional domain' avails a pair of terms:

(i) Dimensional

(ii) Domain

2. 'Dimension as dimension fold,' is 'domain' in the role of dimension, as such, 'domain' is the basic conceptually term.
3. Domain is a particular state of 'space contents'. That way, the concept, 'domain', take us a step ahead to the values of 'space content' in the state 'domain'.
4. Here, state of 'domain', is the feature of domain as 'domain fold' of dimensional body of the respective dimensional space.
5. As such, we leave 'space content', for the present has only institutively conceived term and upon it proceed to build defined conceptual terms like domain etc.

### LESSON-92

#### SPACE CONTENT AND SPACE BODY

1. Space body/objects has object and entities as these can be view, are to be taken as the manifested forms of the space content.
2. This way, the manifested form of the space content, as object/entities/bodies are concerned, are to be taken as in that particular of space content.
3. This state of space content as space body, brings us face to face with its domain (a fold) of set up of the space body.
4. The domain fold, as such, in it this manifested form of the set up of a space body brings us face to face with the feature of the domain fold

being enveloped within a boundary fold, which in the context of solids or the surfaces.

5. This domain boundary set up is within a dimensional frame, which that way, brings to focus, a dimension fold as one another fold of this set up of space bodies.
6. Domain fold enveloped within boundary fold and of expression within dimensional frame further confront us with its origin fold, in terms of which the dimension of the dimensional frame, as well as the domain itself remains coordinated and integrated.
7. One may have pause here and take note that the set up of the space body as a set up of quadruples forms namely domain fold, boundary fold, dimension fold, origin fold, further brings us face to face with different roles of space content and also the space content as well being of different feature and values related to the dimensionalized feature of the space.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.



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**SPACE CONTENT RANGES**

This day the course focus is upon ‘Space Content Ranges’. It four folds aspects being taken up are as follows:

- 97. Space content ranges
- 98. Formulations Kal, Disha, Atma, Mana.
- 99. Quadruples values (9, 12, 17, 19)
- 100. Quadruples values (4, 6, 8, 9)

The values being covered are to be taught as lessons numbers 93 to 96 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-93**

**SPACE CONTENT RANGES**

- 1.Space content leads to dimensional spaces contents range.
- 2.Space (Akash) is the 5<sup>th</sup> element.
- 3.Space as 5<sup>th</sup> element is of middle placement of 9 step long range: (Prithvi, Aapa, Agni Vayu, Akash, Mana, Atma, Kal, Disha).
- 4.This is 9 contents range.
- 5.Of it space content is of middle placement of this range.
- 6.Space content manifests as range of dimensional spaces contents.
- 7.The other half of above range is quadruple content is (Kal, Disha, Atma, Mana).



**LESSON-94**

**FORMULATIONS KAL, DISHA, ATMA, MANA**

- 1.Quadruple formulation (Kal, Disha, Atma, Mana) accepts transcendental code value:
  - (1)  $1+2+5+1 = 9$  as TCV (Kal).
  - (2)  $6+2+2+2 = 12$  as TCV (Disha).
  - (3)  $2+4+9+2 = 17$  as TCV (Atma).
  - (4)  $9+1+8+1 = 19$  as TCV (Mana).



**LESSON-95**

**QUADRUPLES VALUES (9, 12, 17, 19)**

- 1.The quadruples values (9, 12, 17, 19) is a sequential range of gaps values range (3, 5, 2).
- 2.As a cyclic order (9, 12, 17, 19, 9) the gaps values would be (3, 5, 2, 10).
- 3.The quadruples values (9, 12, 17, 19) accepts re-organization as  $(2 \times 4 + 1)$ ,  $(2 \times 6)$ ,  $(2 \times 8 + 1)$ ,  $(2 \times 9)$ .
- 4.This, as such takes us to quadruples values (4, 6, 8, 9).
- 5.One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.



**LESSON-96**  
**QUADRUPLES VALUES (4, 6, 8, 9)**

1. The quadruples values (4, 6, 8, 9) as first triple value (4, 6, 8) is sequential organization of (4-space, 6-space, 8-space) as a reach up till its 8-space domain, 6-space dimensions, 4-space as dimension of dimension.
2. The pairing of value (8, 9) and parallel to it the organization (8-space and 9-space) and further as organization of  $(2^3, 3^2)$  bring us face to face with the reach from 8-space domain to 9-space origin.
3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.



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**TRILOKI AND TRIMURTI**

This day the course focus is upon ‘Triloki and Trimurti’. It four folds aspects being taken up are as follows:

101. Triloki, Trimurti and Nav Braham
102. Hyper cube 2, Hyper Cube 5, Hyper Cube 8.
103. Conceptual terms
104. Ten steps long chase reach

The values being covered are to be taught as lessons numbers 97 to 100 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-97**

**TRILOKI, TRIMURTI AND NAV BRAHAM**

1. The range of values (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) accepts 3 fold organization as (0, 1, 2, 3), (3, 4, 5, 6) and (6, 7, 8, 9).
2. One may have a pause here and take note that the quadruples values (0, 1, 2, 3) is parallel to four folds manifestation layers (0, 1, 2, 3) of hyper cube 2.
3. Further quadruples values (3, 4, 5, 6) is parallel to four folds manifestation layers (3, 4, 5, 6) of hyper cube 5.
4. Still further that, the quadruples values (6, 7, 8, 9) is parallel to four folds manifestation layers (6, 7, 8, 9) of hyper cube 8.
5. This brings us face to face with (hyper cube 2, hyper cube 5, hyper cube 8) as a sequential progression steps of the format of reach for

values range (0, 1, 2, 3, 4, 5, 6, 7, 8, 9).

**LESSON-98**

**HYPER CUBE 2, HYPER CUBE 5, HYPER CUBE 8**

1. Hyper cubes (2, 5, 8) are representative regular bodies of 2, 5 and 8 spaces respectively.
2. Spatial surface, transcendental domain and natural reservoir are the 3 sequential steps which need be taken for comprehension and imbibing the values of existence phenomenon of natural reservoir values.
3. 2-space accepts 5 geometric range and parallel to it, there are 5 versions of hyper cube 2.
4. The 5<sup>th</sup> version of hyper cube 2 (square) is free of its boundary.
5. It leads to realize 3-space origin.
6. 3-space as dimension structure 5-space.
7. 5-space has dimension leads up till 8-space origin.
8. It would be a blissful to take note that it is this reach which is making the basis base of Ganita Sutras and upsutras.
9. Ganita Sutra and upsutra accepts ‘Varga (square) as a formulation of its text.
10. Numbers values (3, 4, 5, 6 and 8) as such are not made part of text of Ganita Sutras and upsutras.
11. Hyper cube 5 as four folds manifestation layers and 8-space as origin are attainable by the Ganita Sutras systems and with it follows complete coverage of existence

phenomenon of natural source reservoir values of our solar universe.



**LESSON-99**  
**CONCEPTUAL TERMS**

1. Dimensional space.
2. Dimensional body.
3. Point dimensional body.
4. Point of a body.
5. Point as zero space body.
6. Universal space has space of all dimensional spaces.
7. Structured point.
8. Point filled with structure.
9. Point devoid of structures.
10. Point as zero value.
11. Point as 1 value.
12. Point as  $N^0$ .
13. Point as  $0+0$ .
14. Point as  $1+1$ .
15. Point of n-space has  $N \times A^0$ .
16. N-space domain has N points.
17. N-space domain as N points range as dimensions.
18. Single dimension as N points.
19. Pair of dimensions as  $N^2$  of as 2-space domain format.
20. Square as area of square + four boundary lines and four points make a set up of  $(N+2)^2$ .
21. 2-space as a spatial dimensions of 4-space.
22. Whole range of dimensional spaces bodies manifest within 4-space availing format of 2-space as dimensions of 4-space.
23. Manifestation permits transcendence at origin.
24. Transition and transformation from manifested format to transcendence range amounts to

dissolution of manifestation with a reach at the base.

25. Transcendence of domain through origin for reach at base is along single dimension format.
26. This single dimension format for transcendence is a flow path of domain as point bodies set makes transcendental carriers carrying domain.
27. Transcendental carriers carry domain from base for onwards reach-up-till format of the base.
28. Format of the base is the 6<sup>th</sup> fold, with base as the 5<sup>th</sup> fold, origin as the 4<sup>th</sup> fold and domain as the 3<sup>rd</sup> fold.
29. So formatted reach for the domain as point body makes a unity state, the 7<sup>th</sup> state.
30. It is this unity state which is sustained by the nature as the eight fold.
31. Nature is itself fountain by the Nav Braham, in the 9<sup>th</sup> fold.
32. 9<sup>th</sup> Nav Braham of its own becomes par Braham, Ultimate, source reservoir of the entire existence phenomenon.



**LESSON-100**  
**TEN STEPS LONG CHASE REACH**

1. The ten steps long chase of existence phenomenon manifests as creative boundary (4-space as boundary) of transcendental domain (5-space as domain).
2. 5-space domain, as such is of 11 Versions (11 Rudras).
3. This, that way amounts to transition and transformation for 10

## Transcendental content

steps long range into 11 steps long range.

4. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
5. This 11 steps long range at 11 steps shall be of the format of 5-space domain free of its all the 10 creative boundary components.
6. With 6-space as origin of 5-space make the existence phenomenon of 5-space domain transition and transformation from its role as a domain fold into the role of boundary of self-referral domain (6-space) of 12 components.
7. Transcendental boundary (5-space as boundary of self-referral domain (6-space) of 12 components manifests as Dwadash Adityas (12 Suns).
8. From the transcendental boundary of 12 components, there is takes off of seven transcendental components of the base format 5x5 value of 5 transcendental boundary components.
9. 7 transcendental boundary components take off dimensionalising outer space as 7 dimensional spaces within a dimensional frame of 7 transcendental dimensions.
10. It is this reach which deserves to be comprehended well and to be fully imbibed.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged

sitting of trans and to glimpse and imbibe the above format feature and values. ■



## 26 7-SPACE

This day the course focus is upon '7-space'. It four folds aspects being taken up are as follows:

105. 7-space
106. 7-space as format for Pole Star
107. Geometric range ( $2N+1$ ,  $N = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9$ )
108. Manifestation and transcendence

The values being covered are to be taught as lessons numbers 101 to 104 to the students of 3-space Vedic Mathematics, Science & Technology.

### LESSON-101 7-SPACE

1. 7-space is a unity state.
2. It creates unity state for the format fold (6<sup>th</sup> fold).
3. 7-space is 7 dimensional spaces.
4. Hyper cube 7 is the representative regular body of 7-space.
5. Hyper cube 7 is a four folds manifestation layer (5, 6, 7, 8) within creator's space (4-space).
6. 5-space plays the role of dimensions.
7. 7 transcendental dimensions constitutes the dimensional frame of 7-space.
8. 6-space plays the role of boundary of 7-space.
9. Self-referral boundary (6-space boundary) of unity state the 7-space domain is of 14 components.
10. These 14 components permit re-organization as  $14 = 6+8$ .
11. With it, there happen to be take off of 8 self-referral boundary components and their happen to be

dimensionalization of outer space as 8 dimensional space.

12. 7-space plays the role of domain fold accepting 8-space as origin fold, 9-space as base fold, 10-space as format fold, 11-space as unity state and 12-space as natural sustain-ness.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

■

### LESSON-102 7-SPACE FORMAT FOR POLE STAR

1. 7-space format is the format of unity state for our solar universe (6-space universe) with 7-space origin (pole star as origin) of solar universe.
2. Hyper cube 7 is the representative regular body of 7-space.
3. 7-space as domain fold of hyper cube 7 is the manifested 7-space content lump.
4. 7-space content is 'black matter'.
5. 6-space content is 'light matter'.
6. Black matter lumps granules/articles/point domain/point body of 7-space are of transcendental dimensional order (5-space) in the role of dimension.
7. To approach form 6-space to 7-space, one way is to approach from 6-space domain to 7-space origin.
8. The other way is to approach parallel to take off of transcendental boundary (5-space as boundary) from self-referral domain (6-space domain).

## Transcendental content

9. 7-space as different roles of which 7 prominent roles as dimensional fold, boundary fold, domain fold, origin fold, base fold, format fold and unity state.
10. These 7 roles of 7-space permits depiction along the 7x7 format availing values range 1 to 13 parallel to range of 1-space to 13-space.

1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12
7	8	9	10	11	12	13

11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values. ■

### LESSON-103

#### GEOMETRIES RANGE

**$(2N+1, N) = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9$**

1. Geometric range from 0-space to 9-space is (1, 3, 5, 7, 9, 11, 13, 15, 17, 19).
2. These values sequentially lead to squares values [(1=1), (1+3 = 2<sup>2</sup>), (1+3+5 = 3<sup>2</sup>) ... (1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 + 19 = 19<sup>2</sup>)].
3. 19<sup>2</sup> = 361.
4. One may have a pause here and take note that 1=1, 3 = 1+2 and 6 = (1+2+3). ■

5. Further as that value triple (1, 2, 3) accepts 6 values triple formulation (136, 163, 361, 316, 631, 613).
6. One may have a pause here and take note that sequential reach of triple step may be of sequential value reach:
  - (i) (1, 1, 1)
  - (ii) (1, 2, 3)
  - (iii) (1, 3, 6)
7. In respect of spatial measure, reach would be of following 2 steps only:
  - (i) (2, 2, 2)
  - (ii) (2, 4, 6)
8. The (2N+1)<sup>th</sup> geometry of N-space accepts (2N+1)<sup>th</sup> version of hyper cube 1 is representative regular body.
9. As (2N+1)<sup>th</sup> version of hyper cube 1 is free of its boundary, and as such domain fold transition and transform its role from domain fold to boundary fold, and at the boundary with its take off the outer space gets dimensionalised as (n+1 space).
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values. ■

**LESSON-104**  
**MANIFESTATION AND**  
**TRANSCENDENCE**

1. Manifestations are geometric formats.
2. Technologies are chasing transcendence through manifestations.
3. Manifestations formats go in unison with geometric formats.
4. Geometric formats are supplied by the geometric bodies.
5. Geometric bodies are the set ups of and about domains of the bodies themselves.
6. Domains of the bodies are the set ups of respective space contents (lumps).
7. This way, geometry is all about the set up of space content (lump) of geometric bodies.
8. Different domain folds (of different space content lump) manifestation together and make a manifestation.
9. So, synthesized manifestation permits transcendence there from and it makes technology of manifested creations along geometric formats.



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**TECHNOLOGICAL TOOLS**

This day the course focus is upon ‘Technological Tools’. It four folds aspects being taken up are as follows:

- 109. Geometry as technological tools
- 110. Existence phenomenon chase
- 111. Sathapatya measuring rod
- 112. Coverage of 6-space domain in terms of Sathapatya measuring rod

The values being covered are to be taught as lessons numbers 105 to 108 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-105**

**GEOMETRY AS TECHNOLOGICAL TOOLS**

- 1. Points, lines, surfaces, solid and hyper solids, has dimensional bodies of single space content lump (domain) and has synthetic set ups of more than one domain (as hyper cubes versions make different set up feature of the same format).
- 2. Half point, half dimension, half boundary, half domain, half origin formats make the geometrical tools for technologies.
- 3. Point, wide point, structured point, point domain, point as domain, point as constitution of a particular domain become the basics of geometrical tools of technologies.



**LESSON-106**

**EXISTENCE PHENOMENON CHASE**

- 1. Existence phenomenon chase is in complete when it is approach in terms of linear order 3 dimensional frame for a space.
- 2. Vedic systems approach it in terms of dimensional frame of higher dimensional orders.
- 3. Not only that, the approach of Vedic system is in terms of a array of dimensional frames.
- 4. Still further the array makes a synthetic set up.
- 5. This synthetic set up designated as Sathapatya measuring rod.



**LESSON-107**

**SATHAPATYA MEASURING ROD**

- 1. Sathapatya measuring rod is a synthetic set up of higher cubes 1 to 6.
- 2. Higher cubes are 4 folds manifestation layers (dimensional fold, boundary fold, domain fold and origin fold).
- 3. Dimensional order is manifested as dimensional fold.
- 4. Dimensional fold create respective hypercube of four folds (dimensional fold, boundary fold, domain fold and origin fold).
- 5. Sathapatya measuring rod is synthetic up of manifested creation of linear order (1-space as dimension), spatial order (2-space as dimension), solid order (3-space as dimension), creative order (4-space as dimension), transcendental order (5-

space as dimension) and self-referral order (6-space as dimension).

6. Lord Vishnu, the over lord of 6-space is the presiding deity of this measuring rod.
7. Lord Brahma, four head lord, creator the supreme, the over lord of 4-space is the presiding deity of this measuring rod.
8. This measuring rod covers 6-space domain, the domain fold of hyper cube 6.

5. One shall further comprehended well that point body of 6-space are the points fulfilled filled structure of 6 domain.

6. One shall further comprehend well that the organization of these 6-space domain points will leads to us as formatted along 1-space domain format, 2-space domain format, 3-space domain format, 4-space domain format, 5-space domain and 6-space domain format itself



### LESSON-108

#### COVERAGE OF 6-SPACE DOMAIN IN TERMS OF SATHAPATYA MEASURING ROD

1. Coverage of 6-space domain, which itself is the domain fold of hyper cube 6, by a Sathapatya measuring rod synthesized by hyper cubes 1 to 6 is the feature and value which deserves to be comprehended well.
2. One way to look at it is as that the reach of number value 6 is the reach of numbers value range (1, 2, 3, 4, 5, 6).
3. The formation of hyper cube 6 within 6-space domain, as such is the manifestation feature value of 6-space content as a domain fold (of hyper cube 6 itself).
4. Manifestation of 6-space content lump as 6-space domain fold is the feature value which deserves to be comprehended well to appreciate the existence of 6-space bodies, many in number, existence simultaneously.

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**CONCEPTUAL TERMS**

This day the course focus is upon 'Conceptual Terms'. It four folds aspects being taken up are as follows:

- 97. Different version of hyper cube 6
- 98. Conceptual terms
- 99. Domain split spectrum and dimensional synthesis
- 100. Synthesis of transcendental ranges

The values being covered are to be taught as lessons numbers 109 to 112 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-109  
DIFFERENT VERSIONS OF  
HYPER CUBE 6**

- 7. 6-space has 13 geometric ranges and parallel to it there are 13 versions of hyper cube 6.
- 8. One may have a pause here and take note that the domain boundary ratio of hyper cube 6 is  $a^6:12b^5$ .
- 9. Self-referral domain (6-space as domain) accepts transcendental boundary (5-space as boundary) of 12 components.
- 10. The 13<sup>th</sup> version of self-referral domain (6-space domain) is free of its transcendental boundary.
- 11. This domain stands integration in terms of a dimensional frame of 6 creative dimensions and a unity state origin 7-space as origin of creative dimensions (4-space as dimensions).
- 12. 4-space is a spatial order (2-space as dimension) space.

- 13. As such spatial order (2-space as dimension) of creative domain (4-space as domain), manifests its format as 4x4 grids, which accommodate quadruple four folds manifestation layers (1, 2, 3, 4), (2, 3, 4, 5), (3, 4, 5, 6) and (4, 5, 6, 7).
- 14. Further 7-space as unity state origin of 6-space and 8-space as natural base permits transcendence at unity state origin for the self-referral domain for it reach at transcendental base.
- 15. The reach for 6-space domain through transcendence at 8-space base brings us face to face with the feature  $6 = 2+2+2 = 3+3$  and  $8 = 2 \times 2 \times 2 = 2^3$ .
- 16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
- 17. Further one shall permit the transcending mind to glimpse the **set of points of 6-space domain** and the transcendental net being created through transcendence on reach up till natural base.
- 18. One shall further permit the transcending mind to glimpse the **knot of the net** and the resultant flow of self-referral values as a natural **tube**.



**LESSON-110  
CONCEPTUAL TERMS**

- 1. Set, net, knot, tube and likewise point, 6-space domain,

transcendence, and further dimensional order, boundary fold, domain, origin and base and still further manifestation, and transcendence or the conceptually terms which deserve to be comprehended as such for appreciation for their feature and value to be imbibed to acquire proper insight and appropriate enlightenment about them.

2. Set is a space.
3. Net is the set up of formatted within the set.
4. Knot is the joint of the structural component of the net being the set up of set.
5. Tube is flow path of the values of the set up of the net within the set.
6. Point is the point of the domain of the set up of the set and it is fulfilled with full structure of the domain.
7. 6-space domain is the domain fold of hyper cube 6, the representative regular body of 6-space.
8. While, 6-space is the space approached in terms of a dimensional frame of 6 creative dimensions (4-space as dimensions).
9. Transcendence is a flow of domain and its value through origin for a reach up till base.
10. Dimensional order manifests as the domain fold, which creates respective dimensional order body of the respective space.
11. The created dimensional bodies are of 4 folds namely dimensional fold, boundary fold, domain fold and origin fold.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged

sitting of trans and to glimpse and imbibe the above format feature and values.

13. One shall specifically comprehend and imbibe the feature value of the phenomenon of manifestation and transcendence through the origin fold of manifested creation.

### LESSON-111

#### **DOMAIN SPLIT SPECTRUM & DIMENSIONAL SYNTHESIS**

1. Manifestation and transcendence phenomenon has at its base domain split and dimensional synthesis phenomenon.
2. Domain split phenomenon leads to a sequential spectrum of (1, 2, 5, 12, 29, 70, 169, 408, 985 ...) entities of n domain, (n-2) domain (n-4) domain, (n-6) domain, (n-8) domain (n-10) domain, (n-12) domain, (n-14) domain, (n-16) domain etc-etc.
3. Dimensional synthesis value of linear dimensional order is (1, 3, 6, 10, 15, 21 ...) of single double triple quadruple and higher number of dimensions.
4. Dimensional synthesis value of spatial dimensional order is (2, 4, 6, 8, 10, 12 ...) of single double triple quadruple and higher number of dimensions.
5. The difference value of respective number of linear and spatial dimensional synthesis is the difference value of synthesis of equal number of dimensional of a pair of consecutive dimensional orders.

6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.



**LESSON-112**  
**SYNTHESIS OF**  
**TRANSCENDENTAL RANGES**

1. The synthesis value of a pair of transcendence ranges of 5 fold of dimensional order  $N$  is  $(20+11N) = (N+4) + (N+3) + (N+2) + (N+1) + (N) + (N) + (N) + (N+1) + (N+2) + (N+3) + (N+4)$ .
2. One may have a pause here and take note that this leads us to values sequence:  
(... -35, -24, -13, -2, 9, 20, 31, 42, 53 ...).
3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.





**29****FORMULATION AND NVF VALUES**

This day the course focus is upon 'formulation and NVF values'. It four folds aspects being taken up are as follows:

101. NVF values of 'set, net, knot, tube'.
102. Formulation knot.
103. Transcendence through  
transcendental origin up-till self-referral base.
104. Organization format general

The values being covered are to be taught as lessons numbers 113 to 116 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-113****NVF VALUES OF 'SET, NET, KNOT, TUBE'**

1. NVF (set) = 44 = NVF (space).
2. NVF (net) = 39 = NVF (angle).
3. NVF (knot) = 60 = NVF (four).
4. NVF (tube) = 48 = NVF (tree).



**LESSON-114**  
**FORMULATION KNOT**

1. Formulation knot is k-not.
2. And, not is no-t.
3. NVF (K) = 11.
4. NVF (NO) = 29.
5. NVF (T) = 20.
6. Number value triple (11, 29, T) on its chase brings us face to face with:
  - (i) Number value 11 is parallel to 11 geometric of 5-space, which is further parallel to 11 versions of hyper cube 5. Still further number value 11 is parallel to 11 step format of synthesis of a pair of transcendence of same order and it leads to whole range of sequence of synthesis value of pairs of transcendence ranges of same order, in respect of every dimensional order.
  - (ii) Number value 29 is parallel to 29 spectrum entities at fourth split stage of domain which sequentially lead to value (1, 2, 5, 12, 29 ...). Further as that number value 29 is parallel to transcendental code value of formulation Brahma, four head lord, creator's supreme, the over lord of real 4-space of transcendental origin (5-space as origin of 4-space).
  - (iii) Number value 20 is parallel to synthesis value of a pair of transcendence ranges of zero order. Further as that number value 20 is also parallel to transcendental code value formulation 'Ved' and also of formulation 'Dev'.

7. One may have a pause here and take note that transcendental origin (5-space as origin) of creator the space (4-space) creates a 'knot' and their by there happen to be a synthesis of pair of transcendence ranges along spatial order of 4-space beginning with zero dimensional order transcendence ranges.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

■

**LESSON-115**  
**TRANSCENDENCE THROUGH**  
**TRANSCENDENTAL ORIGIN**  
**UPTILL SELF-REFERRAL BASE**

1. Spatial order 4-space has solid order transcendental origin and creative order self-referral base.
2. Spatial order creative domain (4-space domain) transcendence through solid order transcendental origin (5-space origin) and same as a reach up till creative order self-referral base (6-space base).
3. This, as such, during transcendence has transition and transformation for role of 4-space as domain fold into 4-space as dimension fold of 6-space.
4. This in the process, sequentially takes us from 2-space in the role of spatial dimension of 4-space to 4-space itself in the role of creative dimension of 6-space.

5. One may have a pause here and take note that this as such, leads us to  $2 \times 4 \times 6 = 48$  as the dimensional synthesis value of creative dimensional order structuring 6-space domain.
  6. It would be a blissful to take note that this transcendence within 6-space domain is of step quadruple values (6, 4, 2, 0) up till the stop of the process.
  7. It would be a blissful to take note that these quadruples transcendence steps are parallel to the 6-space domain split spectrum steps and same shall be leading to spectrum values sequence (1, 2, 5, 12 ...).
  8. One may have a pause here and take note that the 12 entities reach is parallel to 12 components of transcendental boundary of self-referral domain (6-space domain).
  9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
  10. It would be a blissful to take note that above transcendence phenomenon within creator domain as creative dimension creating self-referral domain enveloped within transcendental boundary is the phenomenon which deserves to be chased as the phenomenon of **tree** as **tube of knots of nets of sets** of 6-space domain.
  11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and
- imbibe the above format feature and values. ■

**LESSON-116**  
**ORGANIZATION FORMAT**  
**GENERAL**

1. Knowledge and organization of knowledge are simultaneously approach by Vedic system
2. Vedic system simultaneously avail artifices of numbers and dimensional frames.
3. Artifices of numbers and dimensional frames run parallel to each other and these complement and supplement each other at every processing steps.
4. Artifices of numbers presume the existence of dimensional frames, while dimensional frames presume the artifices of numbers.
5. As such, artifices of number and dimensional frames are intimately correlated for values and formats.
6. As such, Vedic scripture reach at knowledge of geometric domain while organizing the processing systems in-terms of values of artifices of numbers.
7. With it, Sri Vishnu Puran knowledge of real 6 space presided by lord Vishnu as been organized as values of artifices of numbers.
8. As such, the organization values of the scripture will help us reach at the knowledge of the scripture.



## 30

**ORGANIZATION VALUES**

This day the course focus is upon 'Organization Values'. Its four folds aspects being taken up are as follows:

- 105. Organization values
- 106. Sequential arrangement of number of Shalokas of different chapter
- 107. General
- 108. Second fold

The values being covered are to be taught as lessons numbers 117 to 120 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-117****ORGANIZATION VALUES**

1. Organization values features are:

- (i) Text consists of 6 Ansh.
- (ii) Total chapter of the texts are 126 as a 6 steps long range (22, 16, 18, 24, 38, 8).
- (iii) The next value 1 to 126 leads to folding as (1+126, 2+125, 3+124 ... 63+64) and their being a 63 steps long range of value 127 at each step.
- (iv) One may have pause here and take note that the value 127 is a prime.
- (v) This prime is the biggest prime proper divisor of perfect number 8128.
- (vi) One may further have a pause here and take note that perfect number 8128 as 13<sup>th</sup> proper divisors.
- (vii) One may further have pause here and take note that 8128 is the fourth perfect number

while number 6 is the first perfect number. The in between, pair of perfect numbers are 28 and 496 being second and third perfect number respectively.

- (viii) With it, the organization of scripture comes to be on the range of first perfect number (6) to fourth perfect number (8128).
- (ix) It would be a blissful to take note that synthesis value of linear order transcendence ranges pair is 31 while the synthesis value of creative order transcendence ranges pair is 64 and the values pairs 31,64 is the values pairs of Shalokas of first chapter of 31 Shaloka range and last chapter (126<sup>th</sup> chapter) of 64 Shalokas range.
- (x) It is blissful to take note  $31+64 = 95$  is parallel to NVF (Reneyyng) and NVF (solid) = 59.
- (xi) Still further, it would be a blissful to take note that NVF (cube) = 31 and NVF (unit) = 64.
- (xii) That Shalokas range of chapter 70 and Shalokas range of chapter 125 (106) permit chase.
- (xiii) Like that, it would follow 63 steps chase to reach at the heart of this organization.
- (xiv) It would be a blissful exercise to reach at the heart of organization of the scripture (Sri Vishnu Puran).

**LESSON-118**  
**SEQUENTIAL ARRANGEMENT OF**  
**NUMBER OF SHALOKAS OF**  
**DIFFERENT CHAPTER**

S. No	No. of Shalokas	Chapter number	Chapter number	Chapter number	Chapter number	Chapter number	Chapter number	Chapter number	Chapter number
					18	31	1	52	41
					19	32	66	101	107
					20	33	36	44	47
					21	35	109	8	
					22	36	37		
					23	39	45	63	20
1	5	73			24	34	61		
2	6	72			25	38	89	115	
3	12	106			26	40	120		
4	13	78	88	79	27	41	21	46	51
5	14	94			28	42	6		
6	16	16			29	43	23	29	
7	17	84			30	44	114	74	
8	18	77	102		31	45	50	55	68
9	19	105			32	46	18	39	
10	20	111	54		33	47	34	103	
11	21	104	64	82	34	48	7		
12	23	32	85		35	49	59	90	14
13	24	31	95	116	36	50	122	124	71
14	25	38	91		37	51	86		
15	26	42	92	33	38	52	4		
16	28	96	108	3	39, 65	53	28	70	76
17	30	112	43	67	40	56	24	53	

41	57	11			64	122	30		
42	58	98			65	127	49		
43	60	119			66	133	58		
44	62	40	93		67	151	80		
45	64	126			68	156	15		
46	66	5			69	162	69		
47	70	2			70	173	12		
48	75	117			71	149	9		
49	76	125			72	27	27		
50	80	110			73	29	83	99	
51	83	87							
52	85	75							
53	86	19							
54	87	81	123						
55	90	22							
56	91	17							
57	94	62	118						
58	95	13							
59	96	57							
60	97	26							
61	104	35							
62	105	56	100						
63	113	60							

1. The above table focus that the range of 73 number artifices has been availed as Shalokas ranges.
2. Of these artifices 28 is of frequency 5.
3. There are 5 artifices of frequency 4 each.
4. These 5 frequencies are (21, 26, 33, 41 and 53).
5. There are 9 artifices of frequency 3 each.
6. These 9 artifices are (13, 24, 30, 31, 32, 39, 45, 49, 50).
7. The artifices of frequency 2 are 16.
8. These artifices are (18, 20, 23, 25, 35, 38, 43, 44, 46, 47, 56, 62, 87, 94, 105, 29).
9. The remaining 42 the following artifices are of single frequency (5, 6, 12, 14, 16, 17, 19, 36, 34, 40, 42, 48, 51, 52, 57, 58, 60, 64, 66, 70, 75, 76, 80, 83, 85, 86, 90, 91, 95, 96, 97, 104, 113, 122, 127, 133, 151, 156, 162, 173, 149, 27).

## Transcendental content

10. One may have a pause here and glimpse the following frequency table:

S. no	Frequency	Number of Shalokas ranges
1	1	42
2	2	16
3	3	9
4	4	5
5	5	1

Grand total frequency range of Shalokas ranges = 73.

2. The other organization feature will be of 63 folds of Shalokas of chapters 1 to 126, folding as [(1, 126), (2, 125), (3, 124) ... (63, 64)].
3. Glimpse the following tabulation of these 63 folds Shalokas ranges:

S. No	Folds	Shalokas	Total value
1	(1,126)	(31,64)	95
2	(2,125)	(70,76)	146
3	(3,124)	(28,50)	78
4	(4,123)	(52,87)	139
5	(5,122)	(66,50)	116
6	(6,121)	(42,41)	83

7	(7,120)	(48,40)	88
8	(8,119)	(35,60)	95
9	(9,118)	(149,94)	243
10	(10,117)	(21,75)	96
11	(11,116)	(57,24)	81
12	(12,115)	(173,38)	211
13	(13,114)	(95,44)	139
14	(14,113)	(49,53)	102
15	(15,112)	(156,30)	186
16	(16,111)	(16,20)	36
17	(17,110)	(91,80)	171
18	(18,109)	(46,35)	81
19	(19,108)	(86,28)	114
20	(20,107)	(39,32)	71
21	(21,106)	(41,12)	53
22	(22,105)	(90,19)	109
23	(23,104)	(43,21)	64
24	(24,103)	(56,47)	103
25	(25,102)	(28,18)	46
26	(26,101)	(97,32)	129
27	(27,100)	(27,105)	132
28	(28,99)	(53,29)	82
29	(29,98)	(43,58)	101



30	(30,97)	(122,33)	155
31	(31,96)	(24,28)	52
32	(32,95)	(23,24)	47
33	(33,94)	(26,14)	40
34	(34,93)	(47,62)	109
35	(35,92)	(104,26)	130
36	(36,91)	(33,25)	58
37	(37,90)	(36,49)	85
38	(38,89)	(25,38)	63
39	(39,88)	(46,13)	59
40	(40,87)	(62,83)	145
41	(41,86)	(31,51)	82
42	(42,85)	(26,23)	49
43	(43,84)	(30,17)	47
44	(44,83)	(33,29)	62
45	(45,82)	(39,21)	60
46	(46,81)	(41,87)	128
47	(47,80)	(33,151)	184
48	(48,79)	(26,13)	39
49	(49,78)	(127,13)	140
50	(50,77)	(45,18)	63
51	(51,76)	(41,53)	94
52	(52,75)	(31,85)	116

53	(53,74)	(56,30)	86
54	(54,73)	(20,5)	25
55	(55,72)	(45,6)	51
56	(56,71)	(105,50)	155
57	(57,70)	(96,53)	149
58	(58,69)	(133,162)	295
59	(59,68)	(49,45)	94
60	(60,67)	(113,30)	143
61	(61,66)	(34,32)	66
62	(62,65)	(94,28)	122
63	(63,64)	(39,21)	60



**LESSON-119  
FOLD BY FOLD CHASE OF  
ORGANIZATION  
GENERAL**

1. One way to reach at core of organization format of the text of Sri Vishnu Puran is approach it fold by fold, beginning with first fold and reaching up till 63<sup>rd</sup> fold.
2. First fold is a set up of chapter one and chapter 126.
3. 63<sup>rd</sup> fold is a set up of chapter 63 and chapter 64.
4. The location of 63<sup>rd</sup> fold (chapter 63 and 64) is within fourth Ansh.
5. First fold is a set up of Shalokas ranges pair (31, 64) of summation value 95.

## Transcendental content

6. Values pair (31, 64) brings us face to face with the set up of 'cube'/ hyper cube 3, and of hyper cube 6.
7. One may have a pause here and take note that hyper cube is linear order set up while hyper cube 6 is a creative order set up.
8. Number value 31 is parallel to synthesis value of a pair of linear order transcendence ranges.
9. Number value 64 is parallel to synthesis value of creative order transcendence ranges.
10. One may have a pause here and take note that this as such also brings us face to face with four folds manifestation layer (3, 4, 5, 6) of solid order set up, which takes us up till self-referral origin 6-space as origin of transcendental domain (5-space).
11. As such, it may be taken that, first fold brings to focus the features of transcendental (5-space as domain) of hyper cube 5 with 6-space as its origin fold.
12. With it, the location of 6-space as origin fold comes and to focus.
13. It would be a blissful to take note that 7<sup>th</sup> geometry of 3-space and parallel to it the 7<sup>th</sup> version of cube, free of its all the 6 surface plate, remain integrated in terms of the dimensional frames set ups.
14. It would be a blissful to take note that the dimensional frame set up integrating 3-space domain is a set up of 31 structural components namely (1+6+6) being origin and 6 half dimension, as well as 6 spatial dimensions plus 6 half dimensions and 12 quarters set ups of first and second axis of spatial dimensional order making a set up of 31 components.
15. One may have a pause here and take note that cube itself as hyper cube 3, as well is a structural components of 31 structural component (1 origin, 3 axes, 1 volume, 6 surfaces, 12 edges and 8 corners points).
16. It would be a blissful to take note that NVF (cube) = 31 and NVF (unit) = 64.
17. And further as that  $95 = NVF$  (Re-Newing).
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
19. It would be a blissful exercise to tabulate the feature of first fold of the text of Sri Vishnu Puran.

### LESSON-120 SECOND FOLD

1. The second fold set up is of feature of chapter 2 and 125.
2. This pair of chapter is of ranges of Shalokas (70, 106).
3. One may have a pause here and take note that number value 70 is parallel to 70 entities of domain split spectrum at 6<sup>th</sup> stage (1, 2, 5, 12, 29, 70).
4. Number value 106 permits re-organization as  $106 = (53+53)$ .
5. Number value 53 is the synthesis value of a pair of solid order transcendence ranges.

6. Further as that, the number value 176 accepts re-organization as  $176 = 88 + 88 = 4 \times 44 = 8 \times 22$ .
7. One may have a pause here and take note that number value 22 permits re-organization as  $22 = (4+5+6+7)$ , which is parallel to 4 fold manifestation layer (4, 5, 6, 7) of hyper cube 6.
8. It would be a blissful exercise to tabulate the feature of this second fold of the text of Sri Vishnu Puran.
9. It would further be a blissful exercise to glimpse comprehend and to chase the transition form first fold to second fold of text of Sri Vishnu Puran.
10. Like that one shall continue for reach up till the orb of the organization of text of Sri Vishnu Puran.
11. The other way would be that one shall begin with the orb of the organization as features of chapter 63 and 64 together being of the range of Shalokas  $(39, 21) = 60$ .



**31**

**DYNAMIC STATE SOLIDS WITHIN  
3-SPACE**

This day the course focus is upon 'dynamic state of solids within 3-space'. It four folds aspects being taken up are as follows:

125. Sixty three & Sixty two folds
126. Dynamic State Solids Within 3-Space
127. Transition Gaps Values Sequences Of Linear Order And Spatial Order Synthesis Values
128. Linear Order And Its Negative Linear Order

The values being covered are to be taught as lessons numbers 121 to 124 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-121**

**SIXTY THIRD & SIXTY TWO  
FOLDS**

1. Sixty third fold of the text of Sri Vishnu Puran is the orb of re-organization of this scripture.
2. Number value 60 is parallel to  $12 \times 5 = 60$  coordinates fixation of the transcendental boundary of 12 components of self-referral domain (6-space domain).
3. It would be a blissful to take note that  $NVF$  (four) = 60 =  $NVF$  (beam Angle).
4. These features of orb of the organization, preserve to be comprehended well and same to be fully appreciated.

5. Form with it this orb will sequentially unfold 62 outward folds progression.
6. The chase of these 62 unfolding steps will lead to proper insight and appropriate enlightenment about the self-referral domain (6-space as domain).
7. 62 fold is parallel to the set up of chapter 62 and 65 of Shalokas ranges (94, 28) of summation value 122 permitting re-organization as  $61+61$ .
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

■

**LESSON-122**

**DYNAMIC STATE SOLIDS WITHIN  
3-SPACE**

26. Ganita Sutra 11 '*vyasti-samashti*' conceptually is the mathematical domain of 'part as a whole'. This amounts to acceptance of complete structure of a space domain within every constitutions of space domain.
27. Broadly it amounts to manifestation of a cube within a cube.
28. The chase feature of this domain is the dynamic state solid within 3-space.
29. Like that, a step head is going to be a dynamic state four space domain within 4-space itself.
30. In general dynamic state hyper cube n within hyper cube n domain is the general feature of Ganita Sutra 11.

31. Let us a paused here and to sequentially chased dynamic state solid within 3-space.
32. Step wise, this chase would be following feature:-  
Step 1:- Let cube is the representative regular body of 3-space. It has such accepts value '3'.  
Step 2:- The motion of cube along its axis (of linear order), will add value '1' and their by there would be a reach a value  $1+3 = 4$ .  
Step 3:- 3 dimensional frame is set up of 3 linear dimensions and such this dimensional frame contribute value  $3 \times 1 = 3$ . With this contribution, the value comes to be  $1+3+1 \times 3 = 7$ .  
Step 4:- The motion of solid would be towards all the three axes and their by the total value would come to be  $3 \times 7 = 21$ .
33. One may have pause here and take note that value 21 permits reorganization  $21 = 1+2+3+4+5+6$ .
34. A step head, as the cube is with a cube, as such it shall acquiring addition value '3', with which the grand summation value of a dynamic state solid with a cube will take us to  $21+3 = 24$ .
35. One may have pause here and take note that value 24 accepts re-organization as  $24 = 3 \times 8$ , which is parallel to 24 coordinate of solid boundary of 8 component of hypercube 4.
36. Still further value  $24 = 6 \times 4$  will bring us face to face with the dimensional value of creative dimensional frame of self-referral domain.
37. One may have pause here and take note that the split of 3-space into 8 octants amount to release of 4 space at the centre of the cube and there would be transcendence of 12 edged cube which will manifest and additional edge 13 edge with an four space.
38. One may have pause here and take note that within 4-space, solid boundary of eight component will accepts coordination in terms of  $8 \times 4 = 32$  coordination and same together with 13 edges setup of the cube with an four space will make value  $32+13 = 45$ .
39. It would be a blissful to take note that  $45 = 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9$ .
40. It would be a blissful to take note that *MANSARA* scripture of Sathapatya up-Ved enlighten that there are 13 internal Devas and 32 external Devas.
41. It would be a blissful to take note  $9 = 3^2$ .
42. And  $8 = 2^3$ .
43. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above features of dynamic state existence within 3-space which result into transition and transformation by transcendence at the origin into 4-space.
44. It is this feature which bring us face to face with the format feature, values and virtues of Triloki (3 spaces simultaneously manifesting within 3-space domain.

45. This 3 fold manifestation is as of interval, square and cube as of sequential steps of single double and the all the three dimensions coming into play.
46. Here it would be a blissful exercise the internal structure setup of cube accepts a three dimensional frame of 3 spatial dimensions which split 3 space into 8 octants and these octants stands coordinated as solid boundary of spatial order of 4 space.
47. The transition from a dimensional frame of linear dimensional to a dimensional frame of spatial dimensions, bring to focus the mathematics of bridging the gaps of transition from linear order setup to spatial order setup.
48. One may have pause here and take note that linear dimensions synthesized and lead to dimensional synthesis values sequence being:  
(... -21, -15, -10, -6, -3, -1, 0, 1, 3, 6, 10, 15, 21 ...).
49. Spatial dimensions synthesis value sequence comes to be:  
(... -12, -10, -8, -6, -4, -2, 0, 2, 4, 6, 8, 10, 12 ...).
50. It would be a blissful to revisit above pair of synthesis value sequences of linear order dimensions and of spatial order dimensions and to glimpse and imbibe the transition gaps values and reach at the way these gaps stand bridged.

■

**LESSON-123**  
**TRANSITION GAPS VALUES**  
**SEQUENCES OF LINEAR ORDER**  
**AND SPATIAL ORDER SYNTHESIS**  
**VALUES**

11. Linear order dimensions synthesis values sequence (sequence -1) is as:  
(... -21, -15, -10, -6, -3, -1, 0, 1, 3, 6, 10, 15, 21 ...).
12. Spatial order dimensions synthesis value sequence (sequence 2) is as:  
(... -12, -10, -8, -6, -4, -2, 0, 2, 4, 6, 8, 10, 12 ...).
13. One may have pause here and take note that the difference of above sequence 1(linear order dimensions synthesis values) and sequence 2 (of spatial order dimensions synthesis values comes to be as under)  
**Sequence 2 – Sequence 1:**  
(... 9, 5, 2, [0, -1, -1, 0, 1, 1, 0,] -2, -5, -9 ...).
14. The above differences value sequence (sequence 3) is designated as zero stage differences values sequences.
15. **First stage difference values sequence (sequence four):**  
Sequence four is the sequence of sequential differences of the values of sequence 3.

Sequence four:

Sequence four comes to be as under:

(... -6, -5, -4, -3, -2, -1, 0, 1, 1, 0, -1, -2, -3, -4, -5, -6 ...).

**Second stage value differences sequences (sequence five):**

The sequence of value differences of sequential of sequence four is designated as sequential five.

Sequence five:

Sequence five is values as under:

(... 1, 1, 1, 1, 1, 1, 0, -1, -1, -1, -1, -1, -1, ...).

**Third stage value difference sequence (sequence 6):**

Sequence six is the sequence of differences values of constitutive values of sequence 5.

Sequence six:

Sequence six is of values as under:

(... 0, 0, 0, [0, -1, -1, 0,] 0, 0, 0 ...).

**Fourth stage value difference sequence (sequence 7):**

Sequence 7 is the sequence of difference of constitutive value of sequence 6.

Sequence seven:

Sequence 7 is of value as follow:

(... 0, 0, 0, [0, -1, 0, 1, 0,] 0, 0, 0 ...).

group of values, theirs remain is equal values.

18. It is this feature which deserved to be comprehended well.
19. One may have pause here and take note that the central group of values constitutes a range of object image setup as if the centre of the central group of values is the placement of a mirror and first of the range is the reflection image of the second of the range.
20. One shall sit comfortably and permit the transcending mind to glimpse and imbibe format feature and value of this phenomenon.



16. One may have pause here and take note that the chain of sequence of differences of constitutive values of given sequence leads to another sequence.
17. In this series /chain of sequence of difference of values, from sequence 6 onwards, the central values form a group and another side the central

**LESSON-124**

**LINEAR ORDER AND ITS  
NEGATIVE  
LINEAR ORDER**

28. 3-space mathematics is a mathematic of linear order.
29. 3-space domain accepts linear measure.
30. Measure go parallel to sequential progression of dimensions formats.
31. Domain within dimensional frame gets framed and permits coverage for its each constitutes in terms of the measure of its dimensions.
32. In the context of 3-space, the 3-space domain as fixation for its constitution in term of its dimensional measures available for all the dimensions.
33. Dimensional frame of 3-space being a setup of 3 dimensions as such there would be an availability of a linear measure for sequential progression chase along each dimensions. This availability of a measure with a working rule Ganita Sutra 1: 'one more than before, will help us exhausted coverage for the entries domain of a linear dimension.
34. One may have pause here and take note that proportionality summity rule of Ganita Upsutra 1 will help have a chase of dimensional frame of other order as well.
35. One may have further have a paused here and take note that dimensional order itself is a one space domain in the role of dimensions of 3-space domain, as such one space as well having simultaneously play for its own dimensional order, which is a negative linear dimensional order, as and the same dimensions of dimensions of 3-space.
36. One may have further have a paused here and take note that the synthesis of linear dimensions is their because of the availability of dimensions of dimensions.
37. This sustain-ness of dimension of dimensions that way takes values is equal to value of dimensions to dimensions from the individual values a pair of dimensions getting synthesized.
38. One may have pause here and take note that linear dimension is of value '1'.
39. Pair of linear dimensions yield value '1+1 = 2'.
40. Out of this value, the value of dimension of dimensions is to be accounted for.
41. The value of dimension is dimension '1'.
42. As such after accounting for '1' out of value of pair of dimensional '2' there would emerged synthesized value after accounting for a value of dimensional of dimensional as '[(2)-(-1)] = 3.
43. One shall sit comfortably and permit the transcending mind to glimpse and imbibe this synthesis values mathematics.
44. One shall fully comprehend and to completely appreciate the synthesis values mathematics of a pair of dimensions to acquire proper insight and to attain appropriate enlightenment.



45. A step head, a synthesis of triple dimensions will required that third dimension on its synthesis is to account for value equal to dimension of dimensions firstly for the synthesis of third dimensions, with the first dimension and secondly for the synthesis of third dimensions with the second dimensions.
46. One may have further have a paused here and take note that in respect of third dimension there would be accommodated of value twice of the value of dimensions of dimensions. As such the dimensional synthesis mathematics, at the stage would be following working steps:-  
**Step 1** Value of synthesis pair of linear dimensions = 3.  
**Step 2** Value of third dimensions = 1.  
**Step 3** Value of a pair of dimension of dimensions = -2.  
**Step 4** Dimensional synthesis values for triple dimensions =  $3+1-(-2) = 6$ .
47. One may have pause here and take note that, it is this feature of linear dimensions synthesis values sequence (1, 3, and 6) for single, double and triple dimensions which deserve to be comprehended well.
48. One may have pause here and take note that it brings us face to face with organization of (1, 3, and 6) as (1, 1+2, 1+2+3).
49. It is sequential summation for values triple (1, 2, 3) which deserves to be comprehended well.
50. One may have a paused here and take note that values triple (1, 2, and 3) is unique as that none of these accepts perfectos other than 1.
51. Further as that, the value triple (1, 2, 3) accepts organization as (1, 1+1, 1+1+1).
52. It further goes parallel to availability of single dimensional a pair of dimensional and all the triple dimensional of a three dimensional frame.
53. It would be blissful to sequential chase:  
 xii. (0, 0, 0).  
 xiii. (1, 1, 1)  
 xiv. (1, 1+1, 1+1+1)  
 xv. (1, 2, 3)  
 xvi. (1, 1+2, 1+2+3)  
 xvii. (1, 3, 6)  
 xviii. (2-1, 2+1, 2-1+2-0+2+1)  
 xix. (2, 2, 2)  
 xx. (2, 4, 6)  
 xxi. (2, 6, 10)  
 xxii. (1+1, 3+3, 5+5)
54. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above format feature values and to acquire insight and enlightenment about the sequential linear order progression steps measure with the help of Ganita Sutra 1 and Ganita Upsutra 1.



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9. Centre of grid zones
10. Counts and gaps counts
11. Foundation of 4-space vms & t
12. Gab Bridging
13. Ganita Sutras 3, 4, 5, 6 & 7
14. Sequence of Finite Strings
15. Quadruples Values (3, 4, 5, 6)

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# Section-3

## 4-space

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2. 4-space body
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## 1 REAL 4-SPACE

This day the course focus is upon 'Real 4-space'. Its four folds aspects being taken up are as follows:

5. Real 4-space
6. 4-space body
7. Idol of Brahma
8. Hyper cube 4 format

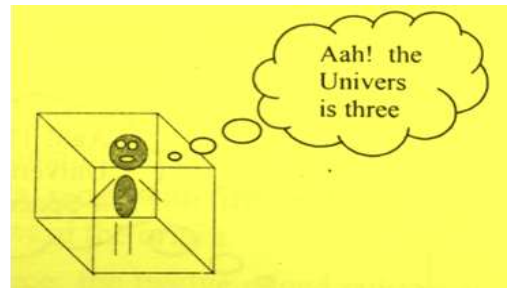
The values being covered are to be taught as lessons numbers 1 to 4 to the students of 4-space Vedic Mathematics, Science & Technology.

### LESSON-1 Real 4-space

1. 4-space, with availability 4 dimensions, provides a freedom of motion for 3-space bodies under constraints of their 3 dimensional frames.
2. To come out of the mental state of a 3 dimensional frame, one shall come out of a 'room', and to glimpse the space outside the set up of the cube.
3. The outside space is not restricted up till the set up of the cube.
4. Line (1-space body) provides a degree of freedom of motion for a point (0 space body). Plane (2-space body) provides a degree of freedom of motion for a line (1-space body). Cube (3-space body) provides a degree of freedom of motion for a plane (2 space body). A step head, 4 -space body (hyper cube 4) provides a degree of freedom of motion for

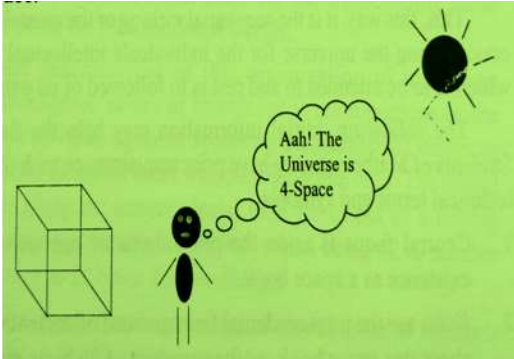
a cube (hyper cube 3/ 3-space body).

5. We can view this feature also as that, a point (0 space body) moves availing a line format (1-space format). Likewise line (1-space bodies moves availing plane format (2-space format) and, plane (2-space body) moves availing cube format (3-space format). and, a step head, cube (3-space body) moves availing hyper cube format (4-space format).
6. We are living in a space which solid (3-space) bodies are moving as the space provides a format for its motion where by the space of our motion, as it is of a dimensional order higher than that of the dimensional order of 3-space.

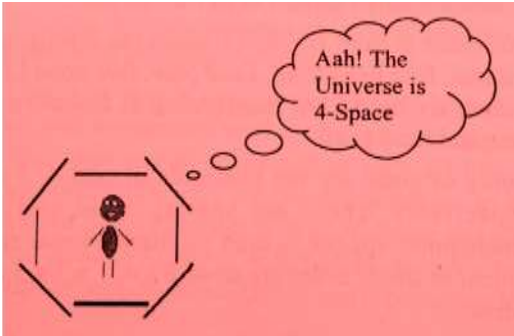


7. While sitting in a room, one gets conditioned as if the universe is just 3-Space. The movement one comes out of the room, the one with melting of the conditions enjoys the bliss as the universe being a 4-Space.

## Transcendental content

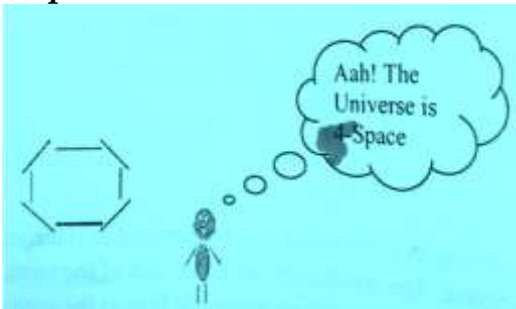


Soon this blissful state manifests as a mental block and one becomes conditioned as caged within 4-Space



With mind transcending this state and the conditioning manifestation melt, and give way to the emergence of the transcendental state, one gets fulfilled with ambrosia of bliss of the transcendental worlds (5-Space):

### 5-space



This, this way, it is the sequential melting of the mental blocks conditioning the universe for the individuals intellectual ranges which is to be attended to and rest is to followed of its own.

## BLISSFUL GLIMPING EXERCISE

8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
9. One shall start with a point (0 space body) and create 1-space format.
10. One shall start with a **line** (1-space body) and create 2-space format.
11. One shall start with a **plane** (2-space body) and create 3-space format.
12. One shall start with a **solid** (3-space body) and create 4-space format.
13. One shall glimpse further and chase 4-space body in its dynamic state creating 5-space body.
14. A step head, one shall further glimpse 5-space body creating 6-space format.

## CONCEPTUAL TERMS

1. **Interval** is 1-space body.
2. **Square** is a 2-space body.
3. **Cube** is a 3-space body.



- 4. **Interval** is hyper cube 1.
- 5. **Square** is hyper cube 2.
- 6. **Cube** is hyper cube 3.
- 7. **Hyper cube 4** is a 4-space body.
- 8. **1-space** as dimensional frame of one dimension.
- 9. **2-space** as a dimensional frame of two dimensions.
- 10. **3-space** as a dimensional frame of three dimensions.
- 11. **4-space** as a dimensional frame of four dimensions.
- 12. **1-space content** manifests as length part (domain) of hyper cube 1.
- 13. **2-space content** manifests as area part (domain) of hyper cube 2.
- 14. **3-space content** manifests as volume part (domain) of hyper cube 3.
- 15. **4-space content** manifests as domain fold of hyper cube 4.



**LESSON-2**  
**4-SPACE BODY**

- 1. **Interval**, as 1-space body, accepts domain boundary ratio formulation  $a^1:2b^0$ , as its end points constitutes a boundary of a pair of components of 0space bodies.
- 2. **Square**, as 2-space body, accepts domain boundary ration formulation  $a^2:4b^1$ , as its boundary lines are four in number and these together as quadruple 1-space bodies constitute boundary fold.
- 3. **Cube**, as 3-space body, accepts domain boundary formulation  $a^3:6b^2$ , as six surface plates envelop volume (domain) of the cube and constitute its boundary fold.
- 4. One may have a pause here and have a simultaneous visit to domain-boundary formulations of interval, square and cube (hyper cubes 1, 2 and 3) and same shall be bringing us face to face with a single formulation :  $a^n:2nb^{n-1}$ ,  $N = 1, 2, 3$  for their individual formulation. Taking hyper cube 4 as the fourth member of the sequence of hyper cubes (representative regular bodies of (1, 2, 3, 4 ... spaces), the same for  $N = 4$  shall be leading us to domain-boundary formulation for hyper cube 4 as  $a^4:8b^3$ .
- 5. One may further have a pause here and to re-visit the set ups of boundaries of hyper cubes (1, 2, and 3) and it would be coming to pointed focus as that two (0 space) bodies constitutes boundary of hyper cube 1 (interval), four (1-space) bodies constitutes boundary of hyper cube 2 (square), and six (2-space) bodies constitutes boundaries of hyper cube 3 (cube/3-space bodies)
- 6. This, in this sequential order, settles boundary of hyper cube 4 (4-space) body, as a set up of eight (3-space) bodies.
- 7. With this settlement of the boundary (fold) of (4-space) body, one basic feature of (4-space) body stands settled for us.
- 8. As for as the domain fold enveloped within solid boundary of eight components is concerned the same

## Transcendental content

is the expression of 4-space content as it manifests being enveloped within a solid boundary.

9. With it, 4-space content manifesting an expressing as domain fold and 3-space content, manifesting as an expressing as boundary fold emerge as the pair of basic feature of 4-space body.
10. One may have a pause here and take note that domain fold and boundary fold of 1-space body are the manifested expression of 1-space content and zero space content respectively.
11. Likewise, domain fold and boundary fold of 2-space body are the manifested expression of 2-space content and 1-space content respectively.
12. Further as that, domain fold and boundary fold of 3-space body are the manifested expression of 3-space content and 2-space content respectively.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

### **BLISSFUL GLIMPSIING EXERCISE**

1. One shall distinctively glimpsed the distinguishing feature of dimensional space being their because of their space contents being of distinguish values and features.
2. One shall glimpse and imbibe the value of space content being of the

feature that it manifests domain fold of its body.

3. One shall glimpse and express oneself about one's comprehension of the feature of 1-space content manifesting as domain fold of hyper cube 1 (interval), of 2-space content, manifesting as domain fold of hyper cube 2 (square), of 3 space content, manifesting as domain fold of hyper cube 3 (cube), and of 4-space content, manifesting as domain fold of hyper cube 4 (representative regular body of 4-space).
4. It would be a blissful exercise to distinctively glimpsed pair of features of a space contents, manifesting as domain fold, and manifesting as boundary fold.
5. It would be very blissful exercise to chase feature of 1-space content manifesting as domain fold of hyper cube 1, and also manifesting as boundary fold of hyper cube 2.
6. Further, it would also be a blissful exercise to chase a pair of feature of 2-space content manifesting as domain fold of hyper cube 2, and manifesting as boundary fold of hyper cube 3.
7. Still further, it would also be blissful exercise to chase a pair of feature of 3-space content manifesting as domain fold of hyper cube 3, and manifesting as boundary fold of hyper cube 3.
8. Still further, it would be a blissful exercise to chase pair of features of 4-space content manifesting as domain fold of hyper cube 4 and manifesting as boundary fold of hyper cube 5.

9. This glimpsing chase at a step head shall be bringing us face to face with a pair of feature of 5-space content firstly as it manifests as domain fold of hyper cube 5 and secondly as it manifests as boundary fold of hyper cube 6.

**CONCEPTUAL TERM**

1. **4-space content.**  
Scripture approach 4-space as creator’s space.
2. **Creative domain.**  
Four space domain is designated as creative domain.
3. **Creative boundary.**  
Four space as boundary of 5-space is designated as creative boundary, while 5-space domain itself is designated as transcendental domain.
4. **Creative origin.**  
Four space as origin of three space is designated as creative origin.
5. **Centre of cube as seat of four space.**  
One shall recapitulate from the learning reach of previous year reach at the centre of the cube as a seat of four space.  
One shall glimpse and imbibe the feature of the set up of the cube accepting split into eight sub cubes with their inner most corner points having common placement at centre of the cube itself.

This, that way bring to focus the distinguishing feature of the centre of the cube form all other points of the cube.

6. Center of the cube is of a dual status, firstly being a point of the cube itself, and secondly as the seat of placement of innermost corner points of all the eight sub cubes making it a set up of enveloping for the space at the centre of the cube by a solid boundary of eight components.
7. With it, the space at center of the cube becomes of a manifested state of 4-space content enveloped within a solid boundary of eight components. These value make centre of cube a seat of 4-space.



**LESSON-3**

**IDOL OF LORD BRAHAMA**

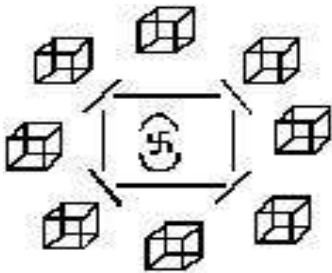
1. Scripture well preserves values and feature of Lord Brahma.



2. Lord Brahma is four head lord.

## Transcendental content

3. Each head of lord Braham is equipped with a pair of eyes.
4. Lord Braham sits gracefully on the lotus seat of eight petals.
5. Within cavity of heart of lord Braham is the seat of transcendental lord Shiv.
6. Lord Braham meditates upon transcendental lord within cavity of his own heart.
7. With grace of transcendental lord Shiv, lord Braham multiplies as ten Brahmas.
8. These values and features bring us parallel to values and features of format of hyper cube 5, the representative regular body of four space.



9. 4 dimensions of hyper cube 4 are parallel to four heads of lord Braham.
10. The spatial dimensional order of hyper cube 4 is parallel to pair of eyes equipped in each head of lord Brahma.
11. The solid boundary of eight components of hyper cube 4 is parallel to lotus seat of eight petals.
12. Transcendental origin (5-space as origin fold) of hyper cube 4 is parallel to seat of transcendental lord Shiv, the over lord of 5-space, within cavity of heart of lord Braham.
13. 4-space permit transcendence at the transcendental origin and manifests as creative boundary of ten components of transcendental domain (5-space) which is parallel to the virtue of lord Braham multiplying as ten Brahmas with the grace of transcendental lord Shiv.
14. Lord Braham is creator's supreme and this bring us face to face with the hyper cube 4 as the creation format.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
16. It would be blissful to glimpse and to chase hyper cube 4 as a four folds manifestation layer of value and features: (2-space content manifesting as dimension fold, 3-space contents manifesting as boundary fold, 4-space manifesting as domain fold, 5-space content manifesting as origin fold).
17. Parallel to these four folds format is the format of quadruple numbers values (2, 3, 4, 5) of summation value 14. This is a particular case of value  $N = 4$  for the quadruple numbers values

(N-2, N-1, N, N+1) of summation value  $4N-2$ .

18. Parallel to quadruples values (N-2, N-1, N, N+1) is the four folds manifestation layer of hyper cube N of values and features: (N-2) space content as dimension fold, (N-1) space content as boundary fold, N space content as domain fold, (N+1) space content as origin fold.
19. This leads us to a sequence of hyper cubes N,  $N = (1, 2, 3, 4, 5 \dots)$ .
20. This sequence permits extension with inclusion of hyper cube 0.
21. It further permits extension with inclusion of hyper cubes (-N for all value of N).

## BLISSFUL GLIMPING EXERCISE

1. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
2. One shall glimpse values and feature of hyper cube 4 along the format of idol of Braham.
3. One shall further glimpse values and features of hyper cube 5 as a four folds manifestation layer (3, 4, 5, 6).
4. Further, one shall glimpse values and features of hyper cube 6 as four folds manifestation layers (4, 5, 6, 7).
5. It would be a very blissful exercise to glimpse the set up of interval as hyper cube 1 of four folds (-1, 0, 1, 2).
6. Still further, it would also be a blissful exercise to glimpse and imbibe the values and features of square as hyper cube 2 of four folds (0, 1, 2, 3).
7. Still further, it would be a very blissful exercise to glimpse and imbibe the values and features of cube as hyper cube 3 of four folds (1,2,3,4).
8. It would further be a very blissful exercise to glimpse and imbibe four folds values and features of space content specifically and distinctively as manifesting, firstly as dimension fold, secondly as boundary fold, thirdly as domain fold and fourthly as origin fold.
9. One shall chase quadruple values and feature of (1-space) content as dimension fold of hyper cube 3, boundary fold of hyper cube 2, domain fold of hyper cube 1 and origin fold of hyper cube 0.
10. Still further, one shall chase quadruple values and features of (2-space) content as dimension fold of hyper cube 4, boundary fold of hyper cube 3, domain fold of hyper cube 2 and origin fold of hyper cube 1.
11. Still further, one shall chase quadruple values and features of (3-space) content as dimension

## Transcendental content

fold of hyper cube 5, boundary fold of hyper cube 4, domain fold of hyper cube 3 and origin fold of hyper cube 2.

12. Still further, one shall chase quadruple values and features of (4-space) content as dimension fold of hyper cube 6, boundary fold of hyper cube 5, domain fold of hyper cube 4 and origin fold of hyper cube 3.
13. Still further, one shall chase quadruple values and features of 5-space content as dimension fold of hyper cube 7, boundary fold of hyper cube 6, domain fold of hyper cube 5 and origin fold of hyper cube 4.
14. Still further, one shall chase quadruple values and features of 6-space content as dimension fold of hyper cube 8, boundary fold of hyper cube 7, domain fold of hyper cube 6 and origin fold of hyper cube 5.

### CONCEPTUAL TERMS

1. Space content playing the role as a dimension fold.
2. Space content playing the role as a boundary fold.
3. Space content playing the role as a domain fold.
4. Space content playing the role as an origin fold.
5. Four consecutive dimensions space content manifesting as a manifestation layer.
6. Dimensional frame of hyper cube  $n$  is a set up of  $N$  dimension of  $(N-2)$  order as  $(N-2)$  space content plays the role of dimension of  $n$  space,
7. Enveloping boundary of hyper cube  $N$  is a set up of  $2N$  bodies of  $(N-1)$  space.
8. Domain fold is enveloped with in boundary fold.
9. Domain fold remains integrated in terms of its dimensional frames.
10. Origin of dimension frame and the origin fold gets superimposed upon each other and with it domain fold gets sealed.
11. A sealed and framed domain fold is enveloped by boundary and remains integrated by its dimensional frame with origin of dimensional frame getting superimposed upon the origin fold.
12. Origin fold accepts a base fold for its sustain-ness and base fold becomes the fifth fold of the four fold manifestation layer but same remains in un-manifest form during origin fold itself remaining sealed with superimposition of the origin of the dimensional frame.
13. Domain fold marks its presence in manifested form while origin fold along with base fold marks its presence in its un-manifest form.



## LESSON-4 HYPER CUBE FORMAT

1. To appreciate the structural reach-ness of format of 'hyper cube', first of all one shall glimpse and imbibe the values and features of 'dimension fold, boundary fold, domain fold and origin fold'.
2. Then, as a second step, one shall comprehend the virtues of the 'base fold, format fold and unity state' of the set up of sustain-ness of 'hyper cube' itself.
3. This, this way makes it a chase range of 7 steps namely:
  - (i) Dimension (ii) Boundary (iii) Domain (iv) Origin (v) Base (vi) Format and (vii) Unity state.
4. Of these, the first four steps namely dimension, boundary, domain and origin, as well get distinctively grouped as dimension, boundary and domain, as a distinct group and origin in itself also be a distinct group.
5. Origin marks its presence in the set up of the domain in its un-manifests form, as well as in a manifest form.
6. Origin, while in un-manifest form, makes domain in a sealed state.
7. During this sealed state, domain becomes a reservoir of 'push-pull' values balancing themselves and making domain being in an integrated state because of the dimensional frame with its origin superimposed upon origin of the domain, otherwise being enveloped within its boundary fold.
8. With origin fold, in its manifest state, permits transcendence through it for reach at the base of the origin.
9. Hyper cube format being of values and features of idol of Lord Brahma, as such it makes spatial order 4-space as the source domain of values and features of hyper cube 4 format.
10. With it, the Sadhakas fulfilled with intensity of urge to fully glimpsed and to completely imbibe the values and features of hyper cube 4 format, they shall initiate themselves for this chase along the format of hyper cube 4, as a four folds manifestation layer (2, 3, 4, 5) accepting extension as (2, 3, 4, 5; 6, 7, 8).
11. One may have a pause here and take note that this bring us face to face with 7 steps long range of roles for 2 –space to 8-space contents, as:
  - i. 2-space content manifesting and playing the role of dimension fold
  - ii. 3-space content manifesting and playing the role of boundary fold
  - iii. 4-space content manifesting and playing the role of domain fold
  - iv. 5-space content manifesting and playing the role of origin fold.

## Transcendental content

- v. 6-space content manifesting and playing the role of base fold.
  - vi. 7-space content manifesting and playing the role of format of base fold.
  - vii. 8-space content manifesting and playing the role of unity state of format of base fold.
12. Essentially, it is because of the spatial order (2-space) in the role of dimension, and the dimensional frame being a set up of four spatial dimensions, that the 'hyper cube 4 format' covering whole range of hyper cubes, of lower dimensional order or higher dimensional order than that of spatial order, acquire their values and features.
13. The spatial order, with its pair of dimensions makes either of its dimension being the first and other as the second (dimension).
14. It is this feature that either of the pair of dimensions accepts its role as first of the second dimension which makes its values being of a pair of opposite orientation getting superimposed and making it an integrated whole of a pair of halves because of which becomes the availability of a pair of unit namely '2 as 1 and 1 as 2', together making it '1/2' as the working unit of 4-space.
15. One may have a pause here and take note that it is this feature which is the basis base for split of a dimension into a pair of half dimensions and further a split of a dimensional frame into a pair of dimensional frames of half dimensions.
16. One may further have a pause here and take note that it is this value and feature of a spatial order, which is at the basis base of 3 dimensional frames of half dimensions being embedded in the corners point of the cube (hyper cube 3), as well as in the corner point of the square (hyper cube 2).
17. One may further have a pause here and take note that the split of dimension into a pair of half dimensions and the split of the boundary into components double in number then the number of dimensions are their because of (1/2) as the working unit as resultant of a pair of units (2 as 1 and 1 as 2' supplied by the spatial order of creator's space (2-space as the dimension of 4-space).
18. One may further have a pause here and take note that number value 4 is unique as that:
- (i)  $4 = 2 + 2$ .
  - (ii)  $4 = 2 \times 2$ .
  - (iii)  $4 = (-2) \times (-2)$ .
19. Here in the context, it also would be relevant to take note that:
- (i)  $0 = 0 + 0$ .
  - (ii)  $0 = 0 \times 0$ .
  - (iii)  $0 = (-0) \times (-0)$ .



20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
21. One may further have a pause here and take note that 4-space accepts 2-space as its dimensions and a step head, 2-space accepts, zero space as its dimension.
22. As such, to glimpse the values and features of hyper cube format, one shall not remain up till the dimension fold and to transcendence up till dimension of dimension fold to imbibe the values and features and structural reach-ness of the format of 'hyper cube'.
23. One may further have a pause here and take note that this glimpsing feature of reaching, at first step, from domain to dimension, and as second step from dimension to dimension of dimension, is to be comprehended for its full appreciation as it is in term of its that we shall be having insight reach for the structural reach-ness of the domain fold itself.
24. One may further have a pause here and take note that the domain fold is the space content lump in its manifesting form as domain fold of hyper cube, being the representative regular body of the space.
25. One may further have a pause here and take note that:  
 'The space content plays its different roles only as in the form of 'manifested space content lumps being domain'.  
 As such, the insight reach for dimension fold, boundary fold, domain fold, origin fold and a head, in respect of base fold, format of base fold and unity state of format of base fold, as well, is to be faced only in terms of this 'processing technique'.  
 It would be relevant to take note the this processing technique, at each step is accepting the reached state as of domain fold values and features and a reach from domain to dimension is a reach from domain to dimension as a domain of respective space and a step head, a reach at dimension of dimension is going to be as that a dimension of dimension itself is a domain of the respective space.
26. As origin is of a higher dimensional order than that of domain fold, as such domain fold acquires dynamic state with origin coming in its manifested form of higher dimension order. This brings in transcendence phenomenon for the domain fold through origin fold for its reach at the base fold, and also because

## Transcendental content

of the spatial order availability, the transcendence in reverse order as well may happen as a reach back from base fold through origin fold to the domain fold which will reach up till the boundary fold.

27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
28. These values and features of format of hyper cube, successfully mathematize chase along artifices of numbers for 'pair of opposite orientation, split and synthesis of dimensional frames, split and synthesis of domains, to fold transcendence, static and dynamic states, curvatures, powers, roots, range of sequential gaps, grids, cells, push-pull reservoir, transformation of reservoirs as a single integrated whole of pair of half domain zones reservoirs of self sustaining format, swapping of space in terms of paired pair of hyper spheres, chase of transcendental carriers through rays of the sun and unified discipline of existence phenomenon of our solar universe and parallel formatting for the existence within human frame and existence within our solar universe. ■

## 2

**TRANSCENDENCE ORIGIN**

This day the course focus is upon ‘Transcendence origin’. Its four folds aspects being taken up are as follows:

9. Transcendental origin
10. Spatial dimensional order
11. Solid boundary
12. Creative domain.

The values being covered are to be taught as lessons numbers 5 to 8 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-5****TRANSCENDENTAL ORIGIN**

1. Creator’s space (4-space) has transcendental origin (5-space) as origin.
2. Hyper cube 4 is the representative regular body of 4-space and it is of a spatial dimensional order (2-space in role of dimension of 4-space).
3. A step head, hyper cube 5 is the representative regular body of 5-space and it is of a solid dimensional order (3-space plays the role of dimension of 5-space).
4. With 5-space, in the role of origin of 4-space, the dimensional order of the origin as such being of solid order becomes of a higher degree than that of 4-space domain which is of a spatial dimensional order.
5. As such, when transcendental origin (5-space as origin) comes in manifest form, it acquires domain of a solid dimensional order and 4-space domain being of a spatial dimensional order acquire a degree of freedom of motion within in 5-space domain.
6. It is this value and feature of 4-space domain transiting and transforming from its static state into dynamic state, which deserves to be comprehended well for its full appreciation.
7. The transition and transformation for 4-space domain from its static state into dynamic state within 5-space domain is the values and feature because of which spatial order set up has transcendental flow with in solid order 5-space domain and it acquires its reach at the base fold of a creative dimensional order.
8. One may have a pause here and take note that, in the process their happen to be a transition and transformation for the spatial order into creative dimensional order (4-space) in the role of dimension of 6-space.
9. One shall sit comfortably and permit the transcending mind to glimpse and to imbibe the values and features of this transcendence phenomenon for the spatial order through transcendental origin as creative order with reach at the base fold.
10. One may further have a pause here and to fully comprehends and to completely imbibe the above feature and value of transcendence through transcendental origin resulting into transition and transformation for the spatial order into creative order with reach at the base fold.

## Transcendental content

11. 2-space plays the role of dimension as a spatial order and 4-space plays the role of dimension as a creative order.
12. 2-space has dimension creates 4-space domain and 4-space as dimension creates 6-space.
13. It is this sequential reach from 2-space to 4-space to 6-space which is to the format feature of a reach at first step from 2-space as dimension of dimension as to 4-space as dimension and their after at second step their being a reach from 4-space as dimension to 6-space as domain.
14. One may have a pause here and take note that, this value and feature is of reverse orientation than that of a reach from 6-space as domain to 4-space as dimension and a head, from 4-space as dimension to 2-space as dimension of dimension.
15. One may have a pause here and take note that this permissibility of reversal of orientation with in domain (here 6-space) is their because of the spatial order of the dimension (here 4-space).
16. It is this feature, which makes 6-space domain as a reservoir of values and features unifine 'push-pull' values and features because of the spatial order as it dimension of dimension level.
17. The reach of 2-space as dimension of dimension of 6-space domain as values triple (2, 4, 6) in its both orientations (2, 4, 6 and 6, 4, 2) having triple points fixation for each orientation as, first orientation being (i) 2, 4, 6), (ii) (2, 6, 4) and (iii) (4, 2, 6) and for the second orientation (6, 4, 2) as (i) (6, 4, 2), (ii) (6, 2, 4) and (iii) (4, 6, 2), makes a complete fixation for 6-space domain in its 6 ways.
18. With it, the summation value  $(2+4+6) = 12$ , becomes parallel to 12 components of transcendental boundary (5-space as boundary) of self-referral domain (6-space).
19. It would be a blissful to take note that this value is parallel to transcendental code value of formulation: Rishi, Yog and Shiv.
20. With this the glimpsing and imbibing of the values and features of transcendental origin is to be parallel to the values and features of whole range of formulation accepting transcendental code value 12.

### RECAPITULATION

1. Let us recapitulate what we have to learnt in this section.
2. The learning focus of this section, as is its title: 'real 4-space', is upon the reality of 4-space.
3. The format of Idol of Brahama settles format of hyper cube 4 as a four folds manifestation layer (2, 3, 4, 5) of spatial dimensional order, solid boundary, creative domain and transcendental origin.
4. The spatial order settles whole range of hyper cubes, of lower, as well as of higher dimensional orders than that of spatial order itself, as per the values and features of the four fold manifestation format of hyper cube 4 parallel to values and features of Idol of Brahama.

5. One shall glimpse and imbibe the values and features of reality of 4-space.
  6. One shall comprehend and reach at settlement of hyper cube 4 as a representative regular body of 4-space.
  7. One shall distinctively tabulate values and features of format of hyper cube 4.
  8. Let there be distinct tabulation for values and features of spatial dimension, solid boundary, creative domain and transcendental origin of hyper cube 4.
  9. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the way Lord Brahma with the grace of Lord Shiv, multiplied as ten Brahamas.
  10. It would be a blissful exercise to reach at comparative table of the values and features of Idol of Brahma and values and features of hyper cube 4.
  11. One shall enlist the conceptual terms of this section and to write short note on upon each conceptual term.
  12. One shall answer short question enlisted in the last section of this book and to evaluate one self of one's learning and understanding of different aspects of reality of 4-space.
2. Let the aim be that every conceptual term finds entry in one's dictionary.
  3. One shall continuously up to date one's dictionary by adding every new value and feature of reality of 4-space stands glimpsed and imbibed by the Sadhakas.
  4. One shall compare one's comprehension of values and features of 3-space with one's comprehension of values and features of 4-space.
  5. Further, one shall sit comfortable and permits the transcending mind to glimpse and imbibe the values and features of reality of 5-space and to compare the same with the values and features of the reality of 4-space.
  6. One shall revisit the structural set up of cube (hyper cube 3).
  7. One shall revisit the structural set up of hyper cube 4.
  8. One shall also attempt to comprehend the structural set up of hyper cube 5.

■

## LESSON-6

### SPATIAL DIMENSIONAL ORDER

#### GENERAL

1. We are well acquainted with a linear dimensional order.
2. We are also well acquainted with a three dimensional frame of three linear axes of 3-space set up.
3. 4-space set up accepts a dimensional frame of 4 spatial dimensions.
4. We have learnt in previous class as that the domain fold of hyper cube

#### ONE SHALL REACH AT ONE'S ON DICTIONARY

1. It would be a very blissful exercise that one reaches as one's on dictionary of the values and feature of reality of 4-space.

## Transcendental content

3 also accepts its structural chase in terms of a three dimensional frame of three spatial dimensions.

5. With addition of 4<sup>th</sup> spatial dimension their happen to be a transition and transformation from the set up of 3-space domain to set up of 4-space domain.

### POINT OF A PLANE

6. Let us have a pause here, and first of all let us re-visit the set up of a plane / square.
7. Each point of a square is structured point.
8. The point of a plane is fulfilled with the structure of plane itself.
9. One may further have a pause here and to compare a point of line (interval) with the point of a plane (square).
10. Point of a line is fulfilled with structure of a line / 1-space content set up.
11. Point of a plane is fulfilled with structure of a plane of 2-space content.

### 2-SPACE CONTENT

12. One may further have a pause here and to glimpse the distinguishing feature of 1-space content and of 2-space content.
13. 1-space has (-1 space) in the role of dimension while 2-space has (0 space) in the role of dimension.
14. Further as that, dimensional frame of 1-space is a set up of a single dimension of (-1) order / negative linear order, while 2-space accepts a dimensional frame of a pair of dimensions of (0) order.

15. As such, the structure of a point of a plane / 2-space are framed with in a dimensional frame of pair of dimensions of zero order (0 space) playing the role of dimension of 2-space.

### STRUCTURE WITHIN 2-SPACE POINT

16. One may have a pause here and to fully glimpse and to completely imbibe this set up of the structure fulfilled within every point of a plane / 2-space.
17. One may have a pause here and to glimpse and imbibe other feature of a square that it accepts domain boundary ratio as  $A^2:4B^1$ .
18. Further as that, square splits into quadruple quarter squares.
19. One shall further have a pause here and take note that if 3 out of 4 quarter squares are synthesized together, these automatically bring in fourth quarter square, though in an un-manifest form.
20. It is this value and feature of the set up of square as 3 manifests quarter squares and fourth un-manifests quarter square, which deserves to be comprehend well for complete imbibing and appreciation of this feature of the set up of a square and hence of its each points.

### DIMENSION-DOMAIN VALUES PAIR

21. One may further have a pause here and take note that  $(n^1+2n^0)^2 = n^2 + 4n^1 + 4n^0$  is parallel to the structural set up of a square of area  $n^2$ , perimeter of length  $4n^1$  and 4 corner point  $4n^0$ .

- 22. Further  $(n^1+2n^0)^1 = n^1 + 2n^0$ , which is parallel to the structural setup of an interval of length n and of its boundary as a set up of a pair of end points.
- 23. This bring to focus the set up of an interval (as an axis / dimension) being a set up of a pair of distinct generic counts of 1-space and 0 space respectively and these together accepts the formulation as only two counts of zero space for all values of n for 1-space count.
- 24. This brings us face to face with the feature of interrelationship of values (n, n+2), which further brings us face to face with the feature of difference value '2' for all values of n.
- 25. It is this feature which deserves to be comprehended well, as the feature which holds for every domain with in a frame of dimensions and consequential enveloping boundary frame.

**GLIMPSE '0 AS 1' & '1 AS 0'**

- 1. Origin in un-manifest form is '0', while origin in manifest form is '1'.
- 2. Line is of '0' area while line is also of '1' length.
- 3. Plane is of '0' volume, while plane is also of '1' area.
- 4. In general, boundary is '0' domain while domain itself is '1' domain.

**GLIMPSE '0' & '1'**

- 1. Let us glimpse the equality:  
 $N^0 = A^n$ .
- 2. let us further glimpse:  
 $(0,1) = (0^1, 1^0)$ .
- 3. Further glimpse:  
 $(0x0x0 \dots x0) = 0$

$(1x1x1 \dots x1) = 1$

- 4. Further  
 $(0+0+0 \dots +0) = 0$   
 $(0x0x0 \dots x0) = 0$

**GLIMPSE PLANE AS INFINITE POINT**

- 1. Glimpse plane as a set of infinite point permitting organization as a grid of infinite rows and infinite column.
- 2. Further glimpse plane as infinite points permitting organization as infinite diagonals rows and infinite diagonals columns.
- 3. One may have a pause here and take note that the same placement of the points of a plane leads to above pair of organizations.
- 4. The infinite feature of the points of plane leading to above pair of organizations may be viewed as organization manifesting as symbols for addition (+) and as symbol of multiplication (x).
- 5. One may further have a pause here and take note that the infinite feature of set of point of a plane and the consequential 'nearness' of the points will further make the angle between the diagonals rows and columns being of any value between 0 degree and 90 degree.
- 6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

**INFINITY (∞) AND ITS SYMBOL**

- 1. Glimpse nearness of a pair of points of a plane.

## Transcendental content

2. Glimpse structure within a point of a plane as full structure of a plane accepting domain boundary ratio formulation ( $a^2:4b^1$ ) being commonly available for both square and circle being the representative regular body of 2-space.
3. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the script form of symbol of infinity and its features and values parallel to the paired pair of points of a plane.
4. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values

### SAPTIAL DIMENSIONAL ORDER

1. Sadhakas fulfilled with intensity of urge to glimpse and imbibe the spatial dimensional order features and values shall first of all glimpse and imbibe the feature and values of a plane as a set of infinite point permitting pairing and taming infinity along both axis of the plane remain conscious that zero space is playing the role of dimension of 2-space and a pair of zero order dimensions (axes) of constituting a dimensional frame for 2-space.
2. In the next section, we shall be learning about the dimensional synthesis phenomenon with a focus upon dimensional synthesis of number of dimensions of linear order, as well as the dimensional synthesis of numbers of dimensions of spatial order and sequential difference of dimensional synthesis values in respect of linear dimension and spatial dimensions.

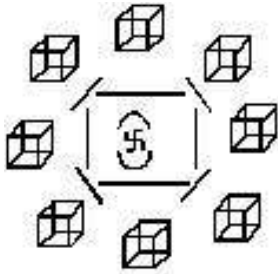
3. Senior Sadhakas shall be chasing further Divya Ganga Parvaha through artifices component of sole syllable being designated and being of features and values of (i) Bindu Sarovar (point reservoir/ structured point) (ii) Ardhmatra (half measure) with Ardhmatra accepting transcendental code value 29 which is parallel to transcendental code value of formulation Vyajan (consonant) and also that transcendental code value 29 is parallel to transcendental code value of formulation Braham, the four head lord, creator's supreme, the over lord of real 4-space of spatial dimensional order. (iii) Tri-Pundram, a synthetic set up of a pair of monad synthesizing as tri-monad. (iv) Swastik Pada /quarter of Swastik / a spatial dimensional frame for the dimension of 4-space.

### UPDATE ONE'S DICTIONARY

1. It would be blissful to glimpse and imbibe the features and values of conceptual terms of this lesson and to include them in one's dictionary with one's notes.
2. On second reading of the lesson, one shall further update one's dictionary.
3. Let us this blissful exercise to be under taken at every stage of fresh visit to the lesson.
4. Let this value of continuous evaluation of one's learning be a blissful habit of the Sadhakas to be of same intensity throughout the learning of this course. ■



**LESSON-7  
SOLID BOUNDARY**



components and 5 components respectively.

**TAKE OFF FROM THE SOLID BOUNDARY**

5. With this, the second part which consists of 5 solid components permits take off and their by dimensionalises the outside space being approach in terms of a dimensional frame of 5 solid dimensions.

**GENERAL**

1. Spatial order approach to space in terms of a dimensional frame of four spatial dimensions envelops 4-space domain within a solid boundary of 8 components.

**DIMENSIONAL FRAME OF SPATIAL ORDER**

2. Spatial order, with its dimensional frame of a pair of dimensions of zero order, creates, in terms of its each axis a set up of a four folds manifestation layer (0, 1, 2, 3) of hyper cube 2 with solid origin (3-space as origin).

**SOLID BOUNDARY SPLIT**

3. A reach in terms of first axis up till 3-space as origin on its re-manifestation along the format of second axis of spatial order again with 3-space origin in its zero value state takes to 3-space as origin.
4. This re-manifestation set up, accordingly spilt solid boundary of 8 components into a pair of part of 3

**INWARD AND OUTWARD TRANSCENDENTAL EXPENSION**

6. 4-Space has transcendental origin (5-space as origin of 4-space).
7. Take off from solid boundary of hyper cube 4, dimensionalises outside space as 5-space (of solid order).
8. With it, the outward space, as well as inward space of spatial order 4-space is a solid order 5-space.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

**CREATIVE DIMENSIONAL ORDER**

10. One may have a pause here and to glimpse the set up of inward as well as outward 4-space (domain) being a transcendental space (domain) and 4-space (domain) having a degree of freedom of motion with in a

## Transcendental content

domain and with it role of 4-space domain transition and transform into the role of a creative dimensional order (4-space in the role of dimension of 6-space).

11. One may have a pause here and take note that 4-space plays the role of dimensional of 6-space while 6-space plays the role of origin of 5-space.
12. Further as that, 4-space also plays the role of creative boundary of 5-space.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
14. One may have pause here and to revisit the emerging set up with the take off of the solid boundary and their by the space , outside , as well as inside getting dimensionalise as 5-space. of solid dimensional order(3-space as dimensions), creative boundary(4-space as boundary), transcendental domain(5-space as domain) and self-referral origin(6-space as origin).

2. One shall further sit comfortably and to glimpse and to chase the dynamic state of creator's space (4-space) within transcendental domain (5-space) and consequential transition and transformation for the role of 4-space domain into creative dimensional order of self-referral domain(4-space in the role of dimension of 6-space).
3. It would further be a very blissful exercise to glimpse and to chase solid boundary of 8 components as a format for eight place value systems for organization

### 7X9 GRIDS

1. It would be a blissful exercise to glimpse and to chase of accommodation of all 63 double digit numbers of eight place value system along 7x9 grids.

### 3x5 GRIDS

2. It would be a very blissful exercise to chase all 15 double digit number of 4 place value system along 3x5 grids.

■

## LESSON-8 CREATIVE DOMAIN

### BLISSFUL EXERCISE

1. It would be a blissful exercise to glimpse and chase take off from the solid boundary of hyper cube 4 and transcendental dimensionalization of the outside, as well as inside space.

### GENERAL

1. 4-space contents manifests as 4-space domain, designated as creative domain.
2. This domain is enveloped by a solid boundary of 8 components.

**ENVELOPED WITHIN SOLID BOUNDARY**

3. With the presence and absence of component, it acquires 9 versions as bodies of respective 9 geometries of 4-space.

**9 VERSIONS OF HYPER CUBE 4**

- 4. One way to arrange these 9 versions of hyper cube 4 is as per the number of components presence sequence (8, 7, 6, 5, 4, 3, 2, 1, 0).
- 5. The presence of the component is taken as a signature in token of presence of the same.
- 6. Accordingly 9 geometries of 4-space are designated as geometries of (8, 7, 6, 5, 4, 3, 2, 1, 0) signature.

**PARALLEL TO WAY ARRANGE**

- 7. Another, parallel way to arrange and to reach 9 geometries range is as (-4, -3, -2, -1, 0, 1, 2, 3, 4) signature.
- 8. This arrangement focus upon the availability of 8 component permits approach at 4+4 organization, accordingly the absence of 4 component and presence of 4 components become available by having pair of orientation reach from the middle state.

**5X5 GRIDS FORMAT**

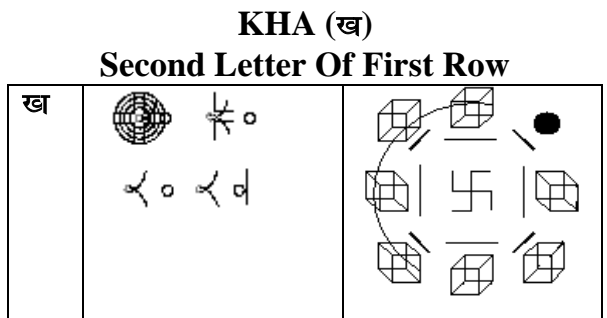
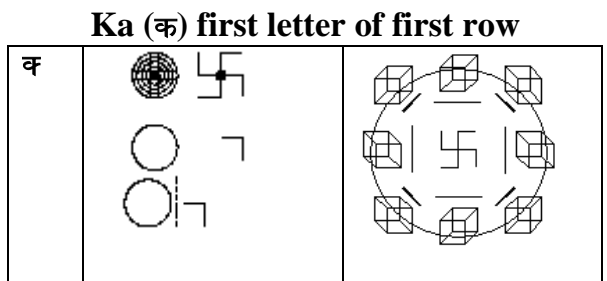
9. This organization leads us to 5x5 grids format of pair of values from first part of four components and from four components of second part respectively, as follows.
- (4x4) (4x3) (4x2) (4x1) (4x0)  
 (3x4) (3x3) (3x2) (3x1) (3x0)  
 (2x4) (2x3) (2x2) (2x1) (2x0)  
 (1x4) (1x3) (1x2) (1x1) (1x0)  
 (0x4) (0x3) (0x2) (0x1) (0x0)

10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

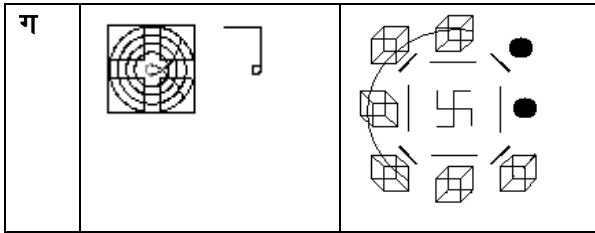
**5X5 VARGA CONSONANT FORMATS**

11. The above 5x5 grids format of organization of 9 geometries range and parallel 9 versions of hyper cube 4 provides us 5x5 grids organization of geometric formats supplied by creative domain.

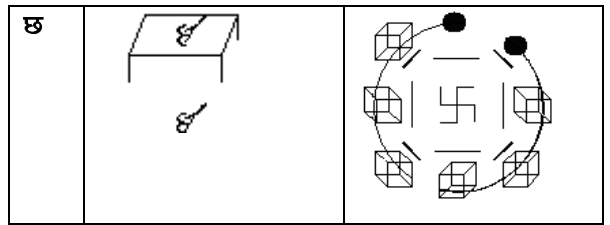
12. This may be glimpsed and imbibed as follows:



**Third Letter Of First Row**

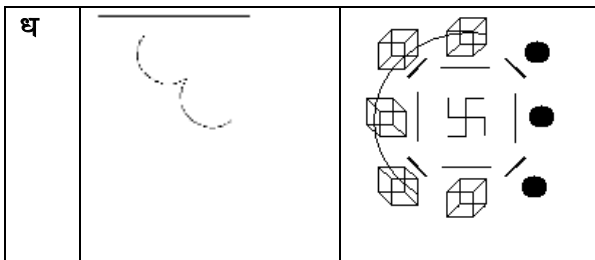


**CHA (छ) Second letter of second row**

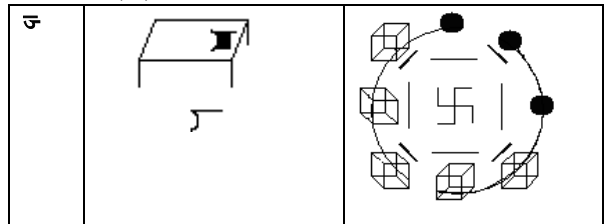


**GHA (घ) Fourth Letter of First Row**

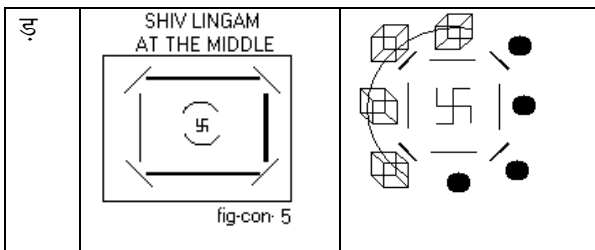
**Fourth Letter of First Row**



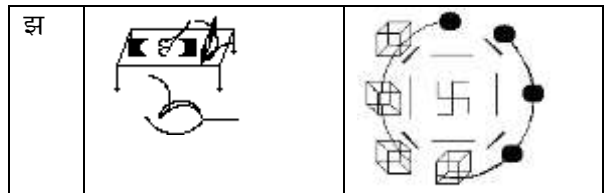
**JA (ज) Third letter of second row**



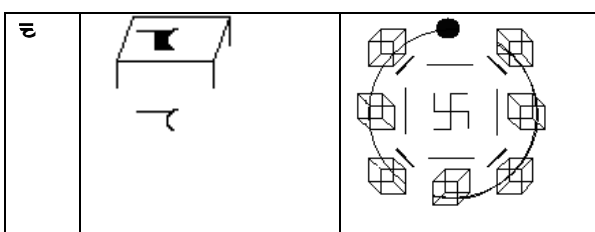
**(ङ) Fifth letter of first row**



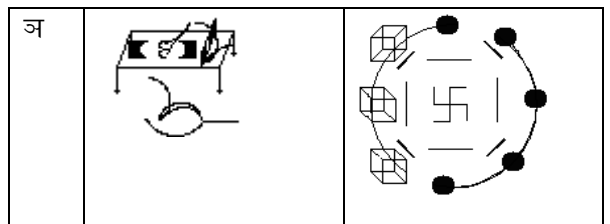
**JHA (झ) Fourth Letter of Second Row**



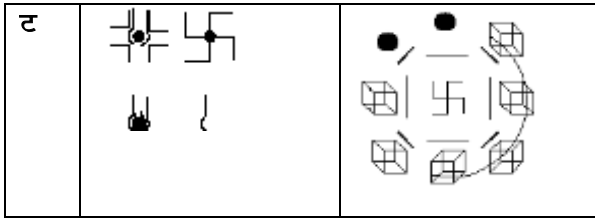
**(च) First letter of second row**



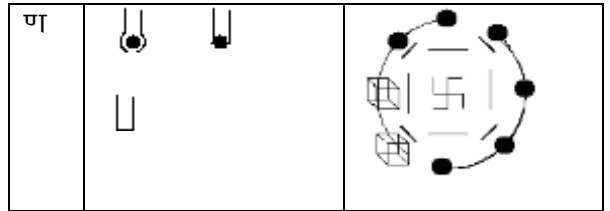
**NJA (ञ) Fifth letter of second row**



TTA (ट) First letter of third row

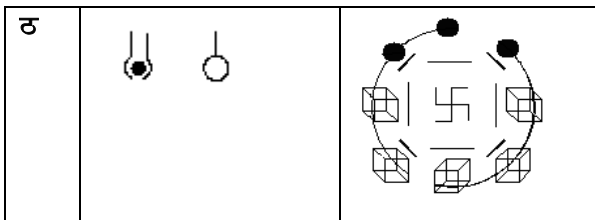


NNA (ण) Fifth letter of third row

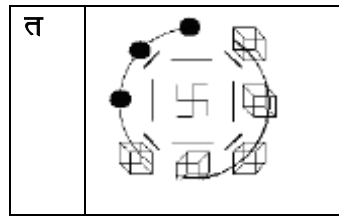


13

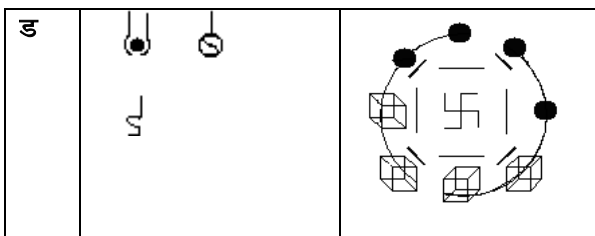
THA (ठ) Second Letter of Third Row



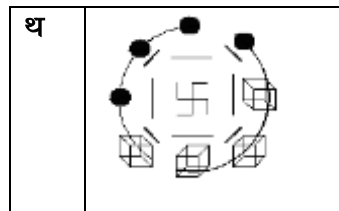
TA (त) First Letter of Fourth Row



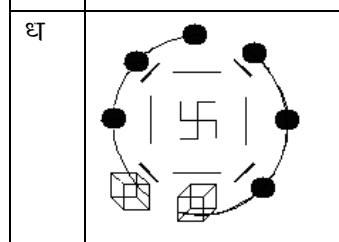
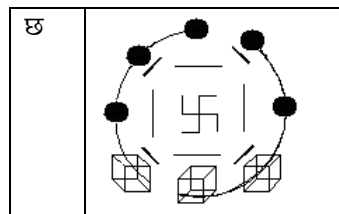
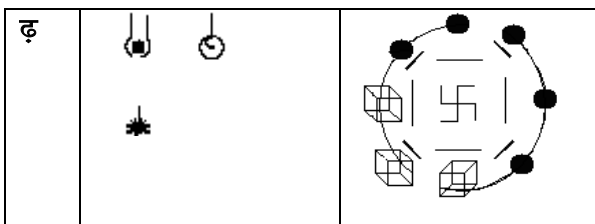
DA (ड) Third Letter of Third Row



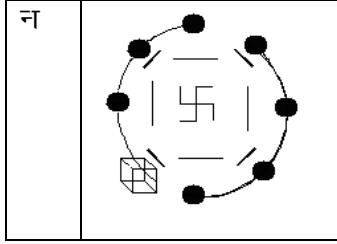
THA (थ) Second letter of fourth row



DHA (ढ)



## Transcendental content



### Fifth row of *varga* consonants

प	
फ	
ब	
भ	
म	

1. It would be a blissful exercise to chase 9 vowels range of Devnagri alphabet along 9 versions of hyper cube 4.
2. It would be a very blissful exercise to glimpse and imbibe the feature and values of each versions of hyper cube 4 in terms of presence of boundary components.
3. Further it would be a blissful exercise to chase each versions of hyper cube 4 in terms of components of its boundary being absent.
4. It would be a very blissful exercise to glimpse and imbibe the version of the hyper cube 4 in which all the eight boundary components are absents.
5. It would be a very blissful exercise to glimpse the way 4-space domain splits and releases its transcendental origins.

■

**BLISSFUL EXERCISE**

### 3

#### CREATION FORMAT

This day the course focus is upon 'creation format'. It four folds aspects being taken up are as follows:

13. Transcendental origin.
14. Creation format.
15. Dimensional synthesis values.
16. Linear & Spatial dimensions synthesis values

The values being covered are to be taught as lessons numbers 9 to 12 to the students of 4-space Vedic Mathematics, Science & Technology.

#### LESSON-9

#### TRANSCENDENTAL ORIGIN

1. With creative domain being stripped off, of its all the 8 boundary components, making 9<sup>th</sup> versions of hyper cube 4 acquires features and values which, with release of seal of superimposition of origin of dimensional frame, acquires a state where in transcendental origin gets released.
2. It is this release feature and value of the set up of creative domain, which recapitalize is it (the creative domain) for its role as a creative boundary (4-space as boundary) of transcendental domain (5-space).
3. Sadhakas fulfilled with intensity of urge to glimpse and imbibe this transcendental features of creative domain shall follow the enlightenment path of lord Brahma of meditating with cavity of own heart and getting multiplied ten folds with the grace of the

transcendental lord. The reach from creative domain, as a domain to its role as a creative boundary of transcendental domain, is the reach which deserves to be glimpsed and to be attained by the Sadhakas to full imbibed and to completely appreciate the values and virtues of reality of 4-space.

4. It would be a very blissful for the Sadhakas for continuously remains in prolonged state of trans and to glimpse and imbibe the values and virtues of released transcendental origin.
5. One shall sequentially evaluate the distinguishing feature of reality of 4-space over and above the reality of 3-space.
6. Further, one shall distinctively reach at the values and virtues of transcendental origin as a transcendental domain over and above 4-space as a creative origin of 3-space and as a creative domain of 4-space.
7. Hyper cubes 3, 4 and 5 deserves to be glimpsed and chased simultaneously in sequential order in four different way, firstly as linear (1-space), spatial (2-space) and solid order (3-space), secondly as spatial (2-space), solid (3-space) and creative boundary (4-space), thirdly as solid (3-space), creative (4-space) and transcendental domains (5-space) and fourthly as creative (4-space), transcendental (5-space) and self-referral origins (6-space).



## LESSON-10 CREATION FORMAT

### GENERAL

1. Idol of Lord Brahma is the creation format.
2. Hyper cube 4 becomes the set up of values and features of creation format.

### 9 VERSIONS OF HYPER CUBE 4

3. 9 versions of hyper cube 4 as a set of 9 bodies of 9 geometries range of 4-space becomes the range of manifestation reach of the creation format.
4. 9 versions of hyper cube 4 retains  $(8 + 7 + 6 + 5 + 4 + 3 + 2 + 1) = 36$  numbers of solid boundary components.

### STRUCUTRAL SET UP OF SOLID BOUNDARY COMPONENT

5. Each solid boundary component itself accepts 7 versions as 7 bodies of 7 geometries of 3-space.
6. 7 versions of hyper cube 3 accepts  $(7 + 6 + 5 + 4 + 3 + 2 + 1 + 0) = 26$  spatial boundary components.

### AVAILABLE RANGE OF SPATIAL COMPONENTS

7. This takes us to a range of  $28 \times 36 = 1008$  numbers of spatial boundary components.

### GLIMPSE AND IMBIBE THE STRUCUTRAL RICHNESS

8. One may have a pause here and permit the transcending mind to glimpse and imbibe the richness of the creation format availing, as many as, 1008 spatial bodies.

### VEDIC BRANCHES

9. One may further have a pause here and take note that Sam Ved has one thousand branches.
10. The total braches of all the 4 Vedas are  $(21 + 101 + 1000 + 9) = 1131 = (1008 + 123)$  and the number value 123 accepts re-organization as  $123 = (3 \times 41)$  and the number value 41 is parallel to the reach of a Sathapatya measuring rod is synthesized by hyper cubes 1 to 4 exhaustively swapping 4-space domain along the 3 dimensions of the solid dimensional order of the transcendental origin of creator's space.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format features and values of creation format with availability of 1008 spatial boundary components.

### REACH FROM SAPTIAL ORDER TO SOLID ORDER

12. The attainment of creation format lies in its reach from spatial order to solid order of its transcendental origin which fountains transcendental values and virtues within the creation domain itself.

### BLISSFUL GLIMPSE

13. Sadhakas following the meditation path of lord Braham meditating within cavity of one's own heart attain of transcendental lord who is having blessed grace of self-referral lord Vishnu.



**RECAPITULATION**

14. One shall recapitulate the features and values of reality of 4-space learned during this section and to re-evaluate oneself about one's comprehension and the imbibing of the same.
15. One shall re-visit each lesson of this section and to glimpse and imbibe the features and values of 4-space reality being focused in each of the lesson of this section.
16. The features and values of 4-space reality being focused in this section deserves to be glimpse and imbibed in continuity of features and values of 4-space reality having already being focus in the lesson of section 1 of this course.
17. The reach of feature and value of reality of 4-space focused in both section 1 and section 2, shall be tabulated in consulted form to have comprehensive view of the same.

**BLISSFUL EXERCISES**

1. It would be a blissful exercise to update one's dictionary by making entries of the conceptual terms of the lesson of this section.
2. One shall update one's own evaluation of one's comprehension of different features and values of different aspects of reality of 4-space.
3. One shall make one's own essays on different features and values of different aspect of the reality of 4-space having being comprehended, appreciated and imbibed.
4. One shall express oneself fully about one's insight of reality of 4-space.

5. One shall share one's enlightenment about the reality of 4-space.
6. One shall re-visit interval as hyper cube 1.
7. Further one shall re-visit hyper cube 2 format for its structural richness.
8. One shall re-visit cube as hyper cube 3.
9. One shall express fully about the creation format.
10. One shall glimpse and imbibe the features and values of hyper cube 5 being the representative regular body of 5-space manifesting along the creation format of Idol of Brahma.

■

**LESSON-11**  
**DIMENSIONAL SYNTHESIS**  
**VALUES**  
**GENERAL**

1. Idol of Lord Brahma leads us to format features and values of hyper cube 4, as a four folds manifestation layer (2, 3, 4, 5) / (2-space content in the role of dimension fold, 3-space content in the role of boundary fold, 4-space content in the role of domain fold, 5-space content in the role of origin fold. This set up, fixes upon solid order 5-space in the role of origin).
2. Solid order of 5-space flows out and manifests as a four folds manifestation layer (3, 2, 1, 0)/(3-space content in the role of origin, 2-space content in the role of boundary, 1-space content in role of linear and 0-space content in role of domain.

## Transcendental content

3. One may have a pause here and take note that (-2) space content plays the role of dimension of zero space.
4. One may further have a pause here and take note that values triples (-2, 0, 2), in the above back ground, bring us face to face with 3-space content at its zero value being sandwiched between the pair of surfaces (2-space body with 3-space in the role of origin).
5. One may have a pause here and to permit one's mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe this feature and its value and to comprehend and to appreciate the virtues of 5-space in the role of origin of 4-space.
6. One may further have a pause here and take note that quadruples values (0, 1, 2, 3) are parallel to four folds manifestation layer (0, 1, 2, 3) of hyper cube 2.
7. One may further have a pause here and take note that hyper cube 2 accepts 5 versions.
8. As such, while 2-space (content) plays the role of spatial dimension of 4-space with 5-space as its origin, this brings in 5 streams set up parallel to 5 versions of hyper cube 2.
9. Here it would also relevant to take note that:
  - (i) 2-space as 5 geometries range.
  - (ii) 3-space plays the role of dimension of 5-space.
  - (iii) 4-space has 5 non negative geometries.
  - (iv) Further as that, 4-space is also having, as many as 5 non positive geometries, as well.
10. 5-space accepts 5 distinct role:
  - i. 5-space as transcendental domain of hyper cube 5.
  - ii. 5-spacer as base fold of hyper cube 4.
  - iii. 5-space origin of 4-space.
  - iv. 5-space domain enveloped by 4-space boundary
  - v. 5-space accepting 3-space in the role of its dimensions.
11. Solid order flow as a 4 fold manifestation layer (3, 2, 1, 0) of hyper cube 2 format, when fountains as a pair of flow streams of hyper cube 2 format vizard (3, 2, 1, 0) and (3, 2, 1, 0), the same get synthesized as a four folds format of paired pairs of values: [(3, 3), (2, 2), (1, 1), (0, 0)].
12. One may have a pause here and take note that domain, boundary ratio formulation  $a^N:2(N-1)$  brings to focus the split for boundary fold of components, double in number than the number of dimensions.
13. It further brings to focus that the origin of a dimensional frame split each dimension into a pair of half dimensions.
14. This further bring to focus the synthetic set up of a dimension being of 3 components, namely, a pair of half dimensions and synthetic joint of their being the third components of this set up.

15. One may have a pause here and to glimpse and imbibe above feature and to comprehend and appreciate that the synthesis is happening with availability of a third component for the given pair of component. This further brings to focus, and insertion of third point in between a pair of points.
16. It may be appreciated that it amounts to bridging of a gap in between a pair of points by having an insertion of a point, in between the given a pair of points.
17. It may be appreciated that the insertion of a point in the gap amounts to a three point fixation for the gap.
18. This is 'Tri-Pundum' feature of the set up of a sole syllable Om, it may be recapitulated that Bindu Sarovar 'structured point' is the first feature, while Ardh Matra 'half measure' is the second feature, and in the sequence a step head, Tri-Pundram is the third feature.
19. One may have a pause here and take note that it amounts to synthesis of a pair of monads as a tri-monad.
20. In the context, it would be relevant to take note that the sequence of value (1, 2, 3, 4, 5 ...) with insertion of middle values in between the pair of consecutive values of above sequence, shall be leading us to a values sequence (1, 3/2, 2, 5/2, 3, 7/2, 4, 9/2, 5 ...).
21. One may have a pause here and take note that a pair of streams of values of above values sequence format (1, 3/2, 2, 5/2, 3 ...) and (1, 3/2, 2, 5/2, 3 ...) shall be leading us to a values sequence (2, 3, 4, 5, 6, 7 ...).
22. One shall sit comfortably and permit the transcending mind to continuous remain in trans and to glimpse and imbibe the above synthesis features of values.
23. This shall be leading us to, following feature:
  - i. Value n as a 3 point fixation leads us to  $N = 1 + (N-2) + 1$ .
  - ii. Above split shall be adding feature to the geometric format of a pair of end points and gap in between them accepting value 1 for the first end point (N-2) for the gap in between for the second end point.
24. When a pair of flow stream emanate from the same origin, each shall be contributing value n and both together shall be leading to value (2N).
25. However, the outermost end points pair for both streams shall be having a requirement for bridging gap with value (N-2).
26. When the above gap value (N-2) is taken out of the total value (2N) contributed by the pair of streams, then the net remaining value after

## Transcendental content

- bridging the above gap would remain  $[2N-(N-2)] = N+2$ .
27. Now if third steam value  $n$  also emanate then its free end in the space shall be requiring value  $(N-2)$  for its gap in respect of each of the free end points of the first pair of stream.
28. Accordingly, out of the net value  $(N+2) + N$ , contribution is to be made for bridging the pair of gaps with value  $2(N-2)$ .
29. As a result the net value for the 3 steams will remain  $(N+2) + 2 - (N-2) = 6$ .
30. One may have a pause here and take note that:
- At the initial stage of first steam, the net value had been 1.
  - Pair of stream have lead to net value  $(N+2)$ .
  - Triple steam have lead to net value '6'.
  - A step head, with emanation of fourth steam contribution because of it will be of value  $N$  while contribution for bridging the triples gaps will be  $3(N-2)$ .
31. As such net value of synthesis of 4 streams (dimensions) will be  $6 + N - 3(N-2) = 12 - 2N$ .
32. Like that with emanation of additional steam, there will be addition of value  $N$  and simultaneously there will be a subtraction of value for bridging one additional gap.
33. It would be a blissful exercise to reach at net synthesis value for synthesis of whole range of dimensional stream emanating from the origin, and having a complete coverage for the domain fold of the respective origin fold.
34. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

### **BLISSFUL REVISIT**

- One shall have a blissful revisit to the above synthesis phenomenon.
- One shall sequentially chase the steps of above synthesis phenomenon.

### **CONCEPTUAL EVALUATION EXERCISE**

- One shall evaluate oneself about one's comprehension and appreciation of glimpsing and imbibing of above synthesis phenomenon.
- Further, one shall revisit and evaluate one's comprehension and appreciation:
  - Point as zero space body.
  - Point as zero value state for any dimensional body.
  - Point as a structured point.
  - Point as a structured point of a given dimensional domain.
  - Point as a Bindu Sarovar (point fulfilled with structure reservoir).
  - Gap between a pair of point.
  - Gap between points accepting insertion of another point.
  - 3 point fixation of the gap in between a pair of points by

availing the given pair of point and the point inserted in between the given pair of point

3. First stream emanation from the origin contributes value (N), pair of streams contributes value (N+2), triple streams contribute value 6, quadruple stream contributes value (12- 2N) ....
4. Total contribute by second steam only  $[N-(N-2)] = 2$ .
5. The total contribution by third steam is  $[N- 2 (N-2) = (4-N)$ .
6. The total contribution with addition of fourth stream is (dimension is  $[N-3(N-2)] = (6-2N)$ .
7. Total contribution by the Rth stream would be  $[N-(R-1)(N-2)] = 2R-2-(R-2)N$ .



**LESSON-12**  
**LINEAR AND SPATIAL**  
**DIMENSIONS SYNTHESIS VALUES**  
**DIFFERENCES**

1. Dimensional synthesis values for **linear** dimensions (n =1) gives us a values sequence for single, double, triple, quadruple and higher number of **linear** dimensions as (1, 3, 6, 10, 15, 21, 28, 36, 45, 55 ...).
2. Dimensional synthesis values for **spatial** dimensions (n =2) gives us a values sequence for single, double, triple, quadruple and higher number of **spatial** dimensions as (2, 4, 6, 8, 10, 12, 14, 16, 18, 20 ...).
3. The following tables, enlists the values differences for synthesis of single, double, triple, quadruple and higher number of linear and spatial dimensions.

N = Number of Dimension, V & SV = Synthesis values of linear & Spatial dimensions, D = Difference of these values.

N	V	S V	D
1	1	2	<b>-1</b>
2	3	4	<b>-1</b>
3	6	6	<b>0</b>
4	10	8	<b>2</b>
5	15	10	<b>5</b>
6	21	12	<b>9</b>
7	28	14	<b>14</b>
8	36	16	<b>20</b>
9	45	18	<b>27</b>
10	55	20	<b>35</b>
...	...	...	...

4. Let us have a pause here and have a revisit of the sequential range of difference of values of single, double, triple, quadruple and higher number of linear and spatial dimensions synthesis values: **(-1, -1, 0, 2, 5, 9, 14, 20, 27, 35, 44, ...)**.
5. One may have a pause here and take note that above values sequence has sequential increase at every step, leading to the values sequence: (0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, ...).

## Transcendental content

6. One may further have a pause here and take note that linear dimension synthesis values sequence (1, 3, 6, 10, 15, 21, 28, 35, 44, ...) accepts a reach in following 3 steps:  
Step 1 (1, 1, 1, 1, 1, 1, 1, 1 ....)  
Step 2 (1, 2, 3, 4, 5, 6, 7, 8, 9, 10 ...)  
Step 3 (1, 3, 6, 10, 15, 21, 28, 35, 44 ...)
7. One may further have a pause here and take note that spatial dimension synthesis values sequence (2, 4, 6, 8, 10, 12, 14, 16, 18, ...) accepts a reach in two steps as follows:  
Step 1 (2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2 ...)  
Step 2 (2, 4, 6, 8, 10, 12, 14, 16, 18, 20 ...)
8. One may further have a pause here and take note that linear dimension synthesis values sequence is reach at 3 steps, starting with as first step as (1, 1, 1, 1, 1, 1, 1, 1, ...).
9. Further, spatial dimensions synthesis values sequence (2, 4, 6, 8, 10, 12, 14, 16, 18 ...) is reached at 2 steps with starting with the first step as (2, 2, 2, 2, 2, 2, 2, 2, 2, 2 ...).
10. One may further have a pause here and take note that the middle second step (in case of linear dimension, namely the values sequence (1, 2, 3, 4, 5, 6, 7, 8, 9, 10 ...) is the values differences sequences progressions steps for (-1, -1, 0, 2, 5, 9, 14, 20, 27, 35, 44 ...) being the values difference in respect of synthesis of linear and spatial dimensions.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
12. It would be blissful to take note that synthesis values sequence for solid dimensions ( $N = 3$ ) comes to be (3, 5, 6, 6, 5, 3, 0, -4 ...), and its difference from the dimensional synthesis values sequence of spatial dimensions (2, 4, 6, 8, 10, 12, 14, 16 ...) comes to be (-1, -1, 0, 2, 5, 9, 14, 20 ...), which is the same as is the values difference between synthesis values in respect of linear and spatial dimensions.
13. It would be a very blissful to take note that difference value for synthesis values of any pair of consecutive dimensional order say  $R^{\text{th}}$  and  $(R+1)^{\text{th}}$  order will be the same as (-1, -1, 0, 2, 5, 9, 14, 20, 27, 35, 44, 55, 66, 78, 91 ...).
14. It would further be very blissful to extend above dimensional synthesis values sequence for  $N = 0$ , as well as for negative values of  $N$  as well.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
16. One shall evaluate one's comprehension of the above reach of dimensional synthesis values sequence for any dimensional order  $N$ , for its positive, zero and negative values for  $N$ .
17. Still further, it would be a very blissful exercise to reach at differences values sequence of dimensional synthesis values for a

pair of consecutive dimensional orders.

18. It would be a very blissful exercise to reach at difference value of dimensional synthesis values of a pair of consecutive dimensional order as:  
(... -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5 ...).
19. It would further be a very blissful exercise to reach at a complete table of dimensional synthesis values for all dimensional order (positive, zero or negative) for their all numbers of dimensions (positive number of dimensions, zero number of dimensions and negative number of dimensions).
20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to distinctively glimpse and imbibe the existence of positive number of dimensions, zero number of dimensions and negative number of dimensions.
21. One shall further glimpse and imbibe the existence of positive dimensional order, zero dimensional order and negative dimensional order.



4

**DIMENSIONAL SYNTHESIS  
VALUES TABLE**

This day the course focus is upon 'Dimensional Synthesis values table'. It four folds aspects being taken up are as follows:

- 17. Reach at dimensional synthesis values table for all orders
- 18. Negative dimensional orders and negative numbers of dimensions.
- 19. General Domain split spectrum
- 20. Domain split spectrum

The values being covered are to be taught as lessons numbers 13 to 16 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-13  
REACH AT DIMENSIONAL  
SYNTHESIS VALUES TABLE FOR  
ALL ORDERS**

					0	-10	-8	6	32	70
					0	-9	-7	6	30	65
					0	-8	-6	6	28	60
					0	-7	-5	6	26	55
					0	-6	-4	6	24	50
					0	-5	-3	6	22	45
					0	-4	-2	6	20	40
					0	-3	-1	6	18	35
					0	-2	0	6	16	30
					0	-1	1	6	14	25
					0	0	2	6	12	20
					0	1	3	6	10	15
					0	2	4	6	8	10
					0	3	5	6	6	5
					0	4	6	6	4	0
					0	5	7	6	2	-5
					0	6	8	6	0	-10

					0	7	9	6	-2	-15
					0	8	10	6	-4	-20
					0	9	11	6	-6	-25
					0	10	12	6	-8	-30

1. Visit the adjoining table.
2. This table is of synthesis values of orders (-10) to (+10).
3. This table is of synthesis values of zero, one, two, three, four and five number of dimensions of dimensional orders of range (-10) to (+10).
4. One shall fully glimpse and to completely imbibe the above dimensional synthesis values.
5. One shall extend the above table for six, seven, eight, nine, ten and higher number of dimensions of range (-N) to (+N) for N equal to (11, 12, 13, 14 ...).
6. One shall comprehend and appreciate the values differences for (0, 1, 2, 3, 4 and 5) numbers of dimensions of a pair of consecutive dimensional orders which comes to be of the range (0, -1, -1, 0, 2, 5).
7. The sequential values difference of the values of the range (0, -1, -1, 0, 2, 5) comes to be (-1, 0, 1, 2, 3).
8. It would be a blissful exercise to extend above differences values ranges for bigger range of dimensional orders N = (6, 7, 8, 9, 10) and so on.
9. It would be a blissful exercise to extend the above values difference range (-1, 0, 1, 2, 3) on its both sides as (... -10, -9, -8, -7, -6, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 ...) and with its help to complete the above table for negative number of dimensions for synthesis values in



respect of all dimensional order, may it be positive, zero or negative.

- One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

**EXERCISE TO COMPLETE THE ABOVE TABLE FOR NEGATIVE NUMBER OF DIMENSIONS**

- To complete the table for negative number of dimensions, we have to first of all to revisit the sequence of values differences of synthesis of pair of consecutive dimensional order, which comes to be as under for the zero and positive number of dimensions:

(0, -1, -1, 0, 2, 5, 9, 14, 20, 27, 35, 44, 55 ...).

- The sequential progression of values for the above range of values comes to be:

$[(-1, -0) = -1, (-1)(-1) = 0, (0, (-1) = 1, (2 -0) = 2, (5-2) = 3, (9-5) = 4, (14-9) =5, (20-14) = 6, 27-20) = 7, \dots]$ .

- This sequential progression values range comes to be: (-1, 0, 1, 2, 3,4, 5, 6, 7, 8, 9, 10 ...)

- The extension of this sequential progression range takes us to: (... -10, -9, -8, -7, -6, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ...).

- This sequential progression range, takes us to the following range which accepts the above progression range of values:

(... 27, 20, 14, 9, 5, 2, 0, 1, 1, 0, -1, -1, 0, 2, 5, 9, 14, 20, 27 ...).

- One may have a pause here and take note that the emerging sequence of differences value range for synthesis of dimensions of a pair of sequential order, as above, shall be amounting to extension of the values for synthesis of negative, zero and positive number of linear dimensions and for spatial dimensions as follows:

**LINEAR DIMENSIONAL SYNTHESIS VALUES SEQUENCE**

(... -36, -28, -21, -15, -10, 6, -3, -1, 0, 1, 3, 6, 10, 15, 21, 28, 36 ...).

**SPATAIL DIMENSIONAL SYNTHESIS VALUES SEQUENCE**

(... -16, -14, -12, -10, -8, -6, -4, -2, 0, 2, 4, 6, 8, 10, 12, 14, 16 ...).

- It would be a blissful exercise to glimpse and imbibe the above format features of dimensional synthesis value sequences of linear and spatial dimensional orders for negative, zero and positive dimensional order and to complete the following table for negative number of dimensions for all dimensional orders of positive, zero and negative dimensional orders

					<b>0</b>	-	-8	6	32	70
					<b>0</b>	10				
					<b>0</b>	-9	-7	6	30	65
					<b>0</b>	-8	-6	6	28	60
					<b>0</b>	-7	-5	6	26	55
					<b>0</b>	-6	-4	6	24	50
					<b>0</b>	-5	-3	6	22	45
					<b>0</b>	-4	-2	6	20	40
					<b>0</b>	-3	-1	6	18	35
					<b>0</b>	-2	0	6	16	30
					<b>0</b>	-1	1	6	14	25
					<b>0</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>12</b>	<b>20</b>

## Transcendental content

					0	1	3	6	10	15
					0	2	4	6	8	10
					0	3	5	6	6	5
					0	4	6	6	4	0
					0	5	7	6	2	-5
					0	6	8	6	0	-10
					0	7	9	6	-2	-15
					0	8	10	6	-4	-20
					0	9	11	6	-6	-25
					0	10	12	6	-8	-30

8. One shall revisit the above reach of the complete table for whole range of positive, zero and negative dimensional order for positive, zero and negative number of dimensions and to glimpse and imbibe the zone of non negative synthesis values.
9. It would be a blissful exercise to glimpse and imbibe the zone of negative synthesis values.
10. Still further it would be a very blissful exercise to glimpse and imbibe the zone of zero synthesis values.

### UPDATE ONE'S DICTIONARY

1. It would be a blissful exercise to update one's dictionary by adding entries of one's comprehension of negative dimensional order features and values.
2. Further, one shall add entry of one's comprehension of negative number of dimensions and their synthesis values for negative dimensional orders in particular.
3. One shall also add entries regarding the zone of positive dimensional synthesis values in respect of negative dimensional order.
4. Still further, one shall also add entries regarding negative dimensional

synthesis values for positive dimensional order.

5. One shall express oneself about one's comprehension and appreciation zero as dimensional synthesis value.



## LESSON-14 NEGATIVE DIMENSIONAL ORDERS AND NEGATIVE NUMBERS OF DIMENSIONS

1. Conceptually positive and negative numbers values are measure chase along the positive and negative orientations format for the domain because of the spatial dimensional order.
2. It is because of the spatial order beginning and end placement at the same 'ment'.
3. For comprehension facility, one may begin moving along circumference from one of its points and one may blissfully reach back at the same point though one may be always moving away from the starting points.
4. This feature and value is no more available while one moves along a straight line to be always away from starting point.
5. It would be a blissful to take note that the pair of orientation format of an interval separates their respective format from (+1) space as domain fold to (-1) space as dimensional fold, and vice versa.
6. A reach from (+1) space as domain (-1) space as dimension is a reach along absolutely different format.
7. As such, negative numbers values have their own mathematics,

distinct from the mathematics of positive number of values.

8. To illustrative that let us visit (+3) space and (-3) space.
9. (-3) space takes us to dimension of dimension to dimension of dimensional to +3 space.
10. Accordingly the negative dimensional order and negative number of entities deserve to distinctively comprehended and to be appreciated for their format features and values.
11. The dimensional synthesis phenomenon, as such permits quarter by approach as:
  - i. First quarter to cover the synthesis values for positive dimensional orders for positive numbers of dimensions.
  - ii. The second quarter to cover synthesis values of negative dimensional order for positive number of dimensions.
  - iii. Third quarter to cover synthesis values of positive dimensional order for negative number of dimensions, and
  - iv. The fourth quarter negative dimensional order for their negative number of dimensions.
12. This organization as such is as per the organization of a square as a set up of quadruple quarter squares.
13. Further, this takes us to the set up of Swastik, a set up of a dimensional frame for churning at the centre of square / origin of 2-space having by a quarter by quarter churning motion in its both orientations, as along both faces of a surface.
14. One shall sit comfortably and permit the transcending mind to

continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

## ZERO AS ORIENTATION REVERSAL GATE

1. Let us revisit value zero.
2.  $(-0) = (0) = (+0)$ .
3. The values triple  $(-0, 0, +0)$  brings us face to face with the unique role as for reversal of orientation and that way zero becomes the reversal of orientation gate for organization of positive and negative values having synthesized format of uniform progression throughout at every step of reach as  $(\dots -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5 \dots)$ .
4. This synthetic values format  $(\dots -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5 \dots)$  binds the differences value arrange for the synthesis of a pair of consecutive dimensional order, which comes to be:
 

$(\dots -20, -14, -9, -5, -2, 0, -1, -1, 0, 2, 5, 9, 14, 20 \dots)$ .
5. It would be a blissful exercise to chase sequential progression at each step for the values of above range, as these are and the left and right side of value zero as value of zero dimensional order for zero number of dimensions itself being zero.
6. The sequential value range for the values limb of above range  $(-20, -14, -9, -5, -2, 0)$  comes to be  $(-6, -5, -4, -3, -2, -1)$ .
7. Now, let us considered the value range  $(0, -1, -1, 0, 2, 5, 9, 14, 20 \dots)$ .

8. It gives us a sequential progression values range (-1, 0, 1, 2, 3, 4, 5, 6 ...).
9. One may have a pause here and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse as to how the values zero for the zero numbers of dimension is playing the role of a gate for reversal of orientation for the reach at the synthetic continuity of unit value progression at each step on either side of value zero.
10. In reference to above range of the above synthesis phenomenon.
11. It would be relevant to take note that the transition from value zero into a values triples (-0, 0, +0) will help on both side to attain the values triple (1, 0, -1) as progression sequence, in its one orientation and by a reversal of it as (-1, 0, 1) for the other orientation.
12. The uniqueness of value zero in value triple range (-0, 0, +0) speak for itself.
13. It would be a blissful enlightenment that Arthrav Samhita, avails the formulation Sunya, only one's (14.2.19) for the value divide of all values; a d-voided state for the void itself.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format features and values.

## **LESSON-15** **GENERAL DOMAIN SPLIT** **SPECTRUM**

1. Domain fold is the third fold of four fold format of hyper cube parallel to the format features and values of Idol of Lord Brahma, the Over Lord of 4-space.
2. Domain fold is manifested space content which gets enveloped within a boundary and same remain integrated in terms of a dimensional frame with origin of dimensional frame having a seat at the seat origin fold within domain fold.
3. Because of split for the boundary fold into  $2N$  components for  $(N)$  space domain, it lead to  $(2N+1)$  versions of hyper cube parallel to  $(2N+1)$  geometries of  $(N)$  space.
4. The  $(2N+1)^{th}$  versions of hyper cube  $N$  being free of all components of boundary makes origin to be released with lifting of the origin of the dimensional frame there from.
5. One may have a pause here and take note that with lifting of the origin of the dimensional frame, and release of the origin fold, the dimensions of dimensional frame split into a pairs of dimensions.
6. As a result of there off, domain itself also split, and transcendence of the dimensional order takes place from the seat of origin fold.
7. The transcendence gives a reach up till base fold.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and

imbibe the above format feature and values.

**LESSON-16**  
**DOMAIN SPLIT SPECTRUM**

1. Domain split phenomenon is of reverse feature than that of dimensional synthesis phenomenon.
2. One may have a pause here and to recapitulate that a pair of dimensions of order than (N) space in the role of dimensions synthesis (N+2) space domain.
3. One may have pause here and take note that a pair of dimensions of order (N), together contribute value (N+N = 2N), however of this (2N) value, value (N-2) gets absorbed in bridging the gap between the pair of free end points of the pair of dimensions, and thereby there remain a net value (N+2) as the value of the domain standing structure like that.
4. As such, as a reverse process (N+2) space domain splits into a pair of domain of (N) space domain and simultaneously , there also happens to be a release (N-2) space domain in the role of dimension of dimension of (N+2) space.
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
6. A step head, pair of (N) space domain as well split into 2 pairs of (N-2) space domains, and also there happen to be a release of (N-4)

dimensions of dimensions of (N) space.

7. One may have a pause here and take note that, at this stage of split, there emerge, as many as 5 entities / domain of order (N-2) and in addition there would be an availability of a pair of entities / dimension of dimensions of order (N-4).
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format here and to revisit the above split steps for (N+2) space domain.
9. First step led us to a pair of entities /domain of n space, and in addition there also has been a release of (N-2) space as dimension of dimensions of (N+2) space.
10. And second step made has been availability of 5 entities / domain (N-2) space, and in addition there being a release of pair of dimension of dimensions of order (N-4)
11. Before we proceed further, for complete and full comprehension and appreciation of the above pair of split phenomenon, let us tabulate the above emerging feature of the domain split phenomenon as follows as expression of domain split spectrum at initial pair of stage there of:

**TABLE**  
**DOMAIN SPLIT SPECTRUM**

Stage	Domain	Split Entities	Dim-Dim
0	N+2	-	-
1	N	2	1

## Transcendental content

2	N-2	5	2
3			
4			

12. It would be a blissful exercise to sequentially reach at third and fourth stages of domain split spectrum and to update the above table, which shall be of values as follows:

Stage	Domain	Split Entities	Dim-dim
0	N+2	-	-
1	N	2	1
2	N-2	5	2
3	N-4	12	5
4	N-6	29	12

13. It would further be a very blissful exercise to chase the domain split spectrum further for its fifth and sixth, seventh and for further steps, and to extend the above table with appropriate values, which shall be bringing us face to face with the emerging spectrum at different stage as follows:

Stage	Domain	Split Entities	Dim-Dim
0	N+2	-	-
1	N	2	1
2	N-2	5	2
3	N-4	12	5
4	N-6	29	12
5	N-8	$2 \times 29 + 12 = 70$	29
6	N-10	$2 \times 70 + 29 = 169$	70
7	N-12	$2 \times 169 + 70 = 408$	169

8	N-14	$2 \times 408 + 169 = 985$	408
9	N-16		
10	N-18		
11	N-20		
12	N-22		

### FURTHER BLISSFUL EXERCISE

14. One shall visit and revisit above tabulation of domain split spectrum values of spectra at its different stage of split and to comprehend and appreciate the sequential progression of the emerging entities of spectra as domain and as released dimension of dimensions.

15. It would be a blissful exercise to reach at specific tabulation form specific space domains, say  $(N+2) = (10, 9, 8 \dots, 11, 12, 13 \dots)$ .

16. Here below is reached at domain split spectrum values tabulation for  $(N+2) = N$  space domain.

Stage	Domain	Split Entities	Dim-Dim
0	10	-	-
1	8	2	1
2	6	5	2
3	4	12	5
4	2	29	12
5	0	$2 \times 29 + 12 = 70$	29
6	-2	$2 \times 70 + 29 = 169$	70
7	-4	$2 \times 169 + 70 = 408$	169
8	-6	$2 \times 408 + 169 = 985$	408



### RECAPITULATION

1. One shall sit comfortably and to recapitulate the values glimpse and imbibed during this phase of learning about 'domain split spectrum'.
2. 4-space approach is the approach 2-space in terms of a dimensional frame of 4 spatial dimensions.
3. Space as content gets dimensionalized as per the format features and values of 4 spatial dimensions.
4. The emerging domain fold becomes the expression of so framed space as content, designated as 4-space content of value of expression as domain fold of hyper cube 4.
5. With it, 4-space content becomes basic value reservoir entity of 4-space mathematic science and technology.
6. With it, we can be say that 4-space mathematic, science and technology chases and avails this values reservoir.
7. One may have pause here and take note that like domain fold, other fold as well, namely dimension fold, boundary fold and origin fold of hyper cube 4 to infect or values reservoirs entities of 2-space content, 3-space content and 5-space content respectively, as such 4-space mathematics, science and technologies get intimated gets connected to (2, 3, 5) spaces mathematics, sciences and technologies.



5

**SATHAPATYA MEASURING ROD**

This day the course focus is upon ‘Sathapatya measuring rod’. It four folds aspects being taken up are as follows:

- 21. General
- 22. Sathapatya measuring rod
- 23. Devnagri alphabet
- 24. Words formulations

The values being covered are to be taught as lessons numbers 17 to 20 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-17  
GENERAL**

- 1. Point of 4-space is fulfilled with structure of format of hyper cube 4, a representative regular body of 4-space.
- 2. 4-space domains as 4-space contents points get organize in terms of a spatial order.
- 3. 4-space mathematics, sciences and technologies, as such may be formula taken as of spatial order value mathematics, sciences and technologies.
- 4. Spatial order values get interlinked value number 2 and its artifices dimensional frame of 2-space in the role of dimensions and a pair of artifices of number value 2 become parallel to ‘complementary and supplementary’ processing steps this simultaneous approach of Sankhiya Nishtha and yoga Nishtha makes mathematics, science and technologies of 4-space content, a unified discipline of knowledge being designated as ‘4-space

mathematics, science and technology’. The format beneath this unified discipline of knowledge is of the Sathapatya measuring rod.



**LESSON-18**

**SATHAPATYA MEASURING ROD**

- 1. Vedic knowledge systems at settle Sathapatya measuring rod format for organization of knowledge and its processing systems.
- 2. Sathapatya measuring rod is synthetic set up of hyper cubes 1 to 6 for chase of 6-space domain.
- 3. Hyper cube 6 itself is a four folds manifestation layer space in role of boundary, 6-space as itself as domain of measure for the Sathapatya measuring rod.
- 4. This feature further brings us face to face with chase of manifestation of 6-space octant as domain fold within a dimensional frame of 6-space creative dimensions, 4-space in the role of dimensions of 6-space.

**4-SPACE AS MEASURE OF  
MEASURING ROD**

- 1. 4-space domain split spectrum, sequentially takes us to 2-space in the role of dimensions and zero space in the role of dimension of dimensions.
- 2. With zero space, in the role of dimension of dimensions of 4-space, and as dimensional 2-space brings us face to face with the sequential transcendence steps within 4-space domain.
- 3. With 4-space as a measure, permitting transcendence and taking us up-till



zero space as its dimension of dimensions, is the feature which deserves to be glimpsed properly and to be completely imbibe to have insight and enlightenment about the values and features of 4-space mathematics, science and technology.

#### **4 FOLD SEQUENTIAL STRUCTURAL STREAM**

1. Hyper cube being a set up of 4 folds namely dimensional fold, boundary fold, domain fold and origin fold, as such Sathapatya measuring rod format leads to 4 folds structural streams,
  - i. Firstly as of dimension folds of orders (-1, 0, 1, 2, 3, 4).
  - ii. Secondly as of boundary fold of orders (0, 1, 2, 3, 4, 5).
  - iii. Thirdly as domain fold of orders (2,3,4,5,6), and
  - iv. Fourthly as origin fold of order (3,4,5,6,7)
2. As such the discipline of Vedic Mathematics, Science & Technology deserves to be distinctively changed along the formats of dimension folds, boundary folds, domain folds and origin folds.
3. Further, as domain fold permits transcendence up-till its dimension of dimension level, accordingly the displine of Vedic Mathematics, Science & Technology also deserves to be glimpsed and to be imbibed for this format features and values of transcendence with in the domain fold.

#### **DIFFERENT ROLES FEATURE OF SPACE CONTENT**

1. Space content manifests as domain fold and place different roles as dimensional fold, boundary fold, domain within domain fold and as origin fold.
2. With permissibility of transcendence at the origin fold, a new generic of roles as base fold, format of base and state of format of base of origin fold also comes into existence.
3. This way 7 distinct role of space content after its manifestation as domain fold, deserves to be glimpsed and chased for complete comprehension and full appreciate of the different aspects of Vedic Mathematics, Science & Technology of the respect dimensional space.

#### **PARALLEL FORMAT FOR ARTIFICES AND DIMENSIONAL FRAMES**

1. The parallel format for artifices and dimensional frames help unifie mathematics, sciences and technologies of each space, ultimately for whole range of dimensional space as a single unified discipline of Vedic Mathematics, Science & Technology.
2. This unification leads to a single alphabet for the whole range of values of the discipline of Vedic Mathematics, Science & Technology.

**LESSON-19**  
**DEVNAGRI ALPHABET**

1. Vedic knowledge system have settled Devnagri alphabet as the alphabet of the discipline of Vedic Mathematics, Science & Technology.
2. This alphabet is of the format features and values, as of nine vowels, 5x5 Vargas consonants, 4 Anthasatha letters, 4 Ushamana letters and 8 Yama letters.
3. This script form of the letter of this alphabet, as well are settled as per the values of Sathapatya measuring rod.
4. Each letter is also attached artifices values as well as dimensional spaces format, as per the format feature values of Sathapatya measuring rod.
5. Values artifices 1 to 9 are associated with vowel 1 to 9, in that sequence and order.
6. Further vowels 1 to 9 are associated dimensional frames of 1-space to 9-space respectively in that sequence and order.
7. 5x5 Vargas consonant with their organization as 5 rows and 5 columns are associated values as follows:

	1	2	3	4	5
2	3	4	5	6	
3	4	5	6	7	
4	5	6	7	8	
5	6	7	8	9	

8. Further first column letters are sequential associated dimensional order (1, 2, 3, 4, 5) respectively, in that sequence and order.
9. Second column letters are sequential associated boundary fold (2, 3, 4, 5,

- 6) respectively in that sequence and order.
10. Third column letters are sequential associated domain fold (3, 4, 5, 6, 7) in that sequence and order.
11. Fourth column letters are sequential associated origin fold (4, 5, 6, 7, 8) respectively, in that sequence and order.
12. Fifth column letter are associated base fold (5, 6, 7, 8, 9) in that sequence and order.
13. 4 Anthsatha letters are associated values (1, 3, 5, 7) in the roles of reach up-till boundary placement.
14. 4 Ushamana letters are associated values (2, 3, 6, 9) for transcendence from the origin fold for reach up-till base fold.
15. 8 Yama letters are associated value (9, 10, 11, 12, 13, 14, 15, 16) and geometric format as 8 components of solid boundary of creator's space as origin fold.
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

**LESSON-20**  
**WORDS FORMULATIONS**

1. Words formulation availing Devnagri alphabet letters carrying along with them their respective values and format and the same together make the value and format of the word formulation itself.

2. It would be a very blissful exercise to tabulate word formulation of equal values.
3. One shall prepare one own dictionary of the word formulation and to glimpse and imbibe their values and formats.
4. One shall regularly update one's dictionary of word formulations for appreciation of the values and format their off.
5. These word formulations are the formulation of Vedic mathematics, Vedic science and Vedic technologies.



**6**  
**4-SPACE MATHEMATICS**

This day the course focus is upon ‘4-space Mathematics’. It four folds aspects being taken up are as follows:

25. 4-Space Mathematics General
26. Arithmetic of 4-space
27. 4-space Sciences
28. 4-space Technologies

The values being covered are to be taught as lessons numbers 21 to 24 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-21**  
**4-SPACE MATHEMATICS**  
**GENERAL**

1. Spatial order of 4-space character-rises the distinctive processing steps for 4-space domain.
2. Square (hyper cube 2) as the representative regular body of 2-space, 2-space playing the role of dimensions of 4-space, bring square at the base of the processing characteristics of 4-space mathematics.
3. One may have a pause here and take note that Vargas (square) is the only geometric body formulation which has been availed by the text of Ganita Sutras and Upsutras.
4. With it, Ganita Sutras and Upsutras mathematics becomes the mathematics of 4-space format.



**LESSON-22**  
**ARITHMETIC OF 4-SPACE**

1. Arithmetic of 4-space is of a pair of unit ‘2 as 1 and 1 as 2’ leading to ‘1/2’, as a working unit.
2. The numbers range (1, 2, 3, 4, 5, 6 ...) becomes of format (1x1, 1x2, 1x3, 1x4, 1x5, 1x6 ...) in 4-space because of its spatial order.
3. This leads to a pair of values flow format axes (1, 3/2, 2, 5/2, 3 ...) and (1, 3/2, 2, 5/2, 3 ...) as values parallel for the dimensional frame pair of dimensions for spatial order (2-space in the role of dimensions).
4. This leads to a values range (1+1, 3/2+3/2, 2+2, 5/2+5/2, 3+3, ...).
5. One may have a pause here and take note that the mathematics of linear order 3-space (1-space in the role of dimensional of 3-space) becomes the mathematics of ranges (1, 2, 3, 4, 5, 6 ...).
6. A step head, mathematics of 4-space of spatial order (2-space in the role of dimension) becomes the mathematics of value range (2, 3, 4, 5, 6 ...).
7. Further as that, mathematics of 3-space is the mathematics of unit ‘1 as 1’ while mathematics of 4 is the mathematics of a pair of unit ‘2 as 1 and 1 as 2’ leading to ‘1/2’ as a working unit.
8. Further, mathematics of linear order (3-space) is the mathematics of value 1 as a single artifice.
9. On the other hand, the mathematics of a spatial order (4-space) is the mathematics of a pair of artifices.

10. Mathematics of linear order (3-space), is the mathematics of 'length' as a unit.
11. Mathematics of spatial order (4-space), is the mathematics of 'area' as a unit.
12. One may have pause here and take note that 'length' 'area' units are of distinct generic (units).
13. One may have a pause here and take note that n points cover (N-1) linear unit as 'n' points range is having (N-1) gaps.
14. As such, points count and their gaps counts are a pair of different generic counts. However, when n points are along is circumference, they are having precisely N gaps making points and gaps intervals being equal in number but of different generic (units).
15. It is the distinguishing feature of linear order and spatial order set up which deserves to be comprehended well for their full appreciation. For it 4-space mathematics simultaneously handles boundary and domain. While linear mathematics deals with boundary and domain distinctively.
16. Mathematical notes of linear order mathematics dissolve with availability of spatial order.
17. As such, the mathematical domain of spatial order 4-space mathematics is of much dipper structures than that of linear order 3-space mathematical domain.
18. In fact, spatial order mathematical domain is inclusive of linear order mathematical domain as well.
19. This adds to richness of arithmetic of 4-space.
20. Spatial order supplies algebraic format to arithmetic operation. Further algebraic operation get support of geometric format. still further geometric format themselves, get support of manifestation formats.
21. And, manifestation formats are sustained by the transcendence phenomenon.

■

### LESSON-23 4-SPACE SCIENCES

1. 4-space sciences avail transcendence features of domain folds.
2. Permissibility of sequential transcendence through domain fold takes from 'matter to frequencies of energies'.
3. The organization of elements along Sathapatya measuring rod format is one feature whose value deserve to be comprehended well to acquire proper insight and appropriate enlightenment about sciences of dimensional spaces.
4. This amounts to a chase of existence phenomenon within frames, including existence phenomenon within human frame.
5. The transformation of space content into dimensional spaces content, is one another feature of science of dimensional spaces.
6. Manifestation of dimensional space content has domain fold and different roles accepted by the domain fold is one another feature of sciences of dimensional spaces.

## Transcendental content

7. This way, interrelationship of mathematics and sciences becomes the basic aspect for reach from throughlogical model to practical values of sciences.
8. Mathematics deserves to be approach as basis base of sciences and technologies.
9. Science on one hand shares values with mathematics, and on the other hand, science share values with the technologies.
10. 4-space sciences bring us face to face with the transcendence and other aspect of values of 4-sapce domain.

### LESSON-24

#### 4-SPACE TECHNOLOGIES

1. 4-space technologies work out solid boundary permitting take off for structuring outside space within solid dimensional frame of 5 solid dimensions.
2. 4-space technologies further chase transcendence for the spatial order of 4-sapce domain through it solid order transcendental origin for a reach at creative order base fold.
3. This pair of outward and inward technologies of real 4-space are of transcendental features and values.
4. Human intelligence field as well is the sublime value of technologies of 4-space.

#### RECAPITULATION

1. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe the format

- features and values of hyper cube 4 format.
2. Further one shall follow the enlightenment path of Lord Brahma and to get multiplied with the grace of transcendental lord.
3. It would be a blissful to approach 4-space mathematics, science and technology starting with basis base mathematics of Ganita Sutras and upsutras.
4. Mathematics domain of Ganita Sutras and upsutras, and its processing step deserves to be chased along Sathapatya measuring rod format.
5. Word formulation availing Devnagri alphabet deserves to be availed in terms of their values and geometric format.
6. One shall update one's dictionary of word formulations availing Devnagri alphabet.
7. Sadhakas fulfilled with intensity of urge to completely comprehend and to fully appreciate the reality of 4-space shall initiate themselves with formulation Brahama and to glimpse and imbibe the values of Idol of Lord Brahma.
8. Further Sadhakas shall follow with faith the enlightenment path of Lord Brahma and to be blessed with grace of transcendental Lord Shiv.
9. Following this path, one shall be melting one's mental block of reality of 4-sapce itself as well, and one shall be of consciousness based intelligence of format and values of transcendental domain (real 5-space).

7

**TRANSITION FROM HYPER CUBE  
3 TO HYPER CUBE 4**

This day the course focus is upon ‘Transition from hyper cube 3 to hyper cube 4’. It four folds aspects being taken up are as follows:

- 37. General
- 38. Real 4-space
- 39. Transition from hyper cube 3 to hyper cube 4.
- 40. Seventh version of cube

The values being covered are to be taught as lessons numbers 25 to 28 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-25  
GENERAL**

- 1. Second phase learning and teaching focus upon number value ‘4’ / 4-space / hyper cube 4 format.
- 2. Previous first phase focus upon the number value ‘3’ / 3-space / hyper cube 3 format.
- 3. Focus of sub sequent two phases (third and fourth phase) of learning and teaching would be upon number value ‘5’ / 5-space / hyper cube 5 and number value 6 / 6-space/ hyper cube 6 formats, respectively.
- 4. Number value ‘4’ is the first composite number. It has unique feature, which amongst others, are as under:
  - (i)  $2+2 = 2 \times 2 = (-2) \times (-2)$ .
  - (ii)  $2^4 = 4^2$ .
  - (iii)  $(2 \times 2 \times 2) - (-2 + 2 + 2) = 2$

(iv)  $(2N) \times (2N+2) \times (2N+4) = (2^4 \times M)$  for all natural numbers values of N and M.

- 5. 4-space is a spatial order space (2-space plays the role of dimension of 4-space).
- 6. 4 dimensional frame is a set up of 4 spatial dimensions.
- 7. Hyper cube 4 is the representative regular body of 4-space.
- 8. Hyper cube 4 is a 4 folds manifestation layer (2, 3, 4, 5)/ (2-space as dimension, 3-space boundary, 4-space domain, 5-space as origin).
- 9. 4-space is designated as creator’s space.
- 10. Lord Brahma is the over lord of 4-space.
- 11. Idol of Lord Brahma is of format feature parallel to format feature of hyper cube 4.
- 12. Lord Brahma is presiding deity of measure of Sathapatya measuring rod.
- 13. Lord Brahma is a four head Lord.
- 14. Each head of Lord Brahma is equipped a pair of eye.
- 15. Lord Brahma sits gracefully upon lotus seat of 8 petals and meditates gracefully with in cavity of his own heart.
- 16. Within cavity of heart Lord Brahma is the seat of transcendental Lord Shiv.
- 17. Transcendental Lord Shiv is a five head Lord with three eyes equipped in each head.
- 18. With the grace of transcendental Lord Shiv Lord Brahma multiply as ten Brahmas.
- 19. This is parallel to 4-space playing the role of creative boundary of 10

components of transcendental domain (5-space).

20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the format feature values of above phenomenon of 4-space.

### LESSON-26 REAL 4-SPACE

1. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the existence of real 4-space.
2. The space around us is a real 4-space with a compactified range of origins.
3. With the real 4-space, 3-space bodies have a degree of freedom of motion which manifest as 13<sup>th</sup> edges of 12 edged cube.
4. The solid boundary of 8 components of hyper cube 4 accepts fixation in terms of  $8 \times 4 = 32$  coordinates of 4 dimensional frames.
5. Mana-Sara, the scripture of Sathapatya up-Ved of Arthrav-Ved preserves the manifestation feature of 4-space body set up being of 32 external god and 13 internal god.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above feature of the set up of hyper cube 4.

### LESSON-27 TRANSITION FROM HYPER CUBE-3 TO HYPER CUBE 4

1. Hyper cube 3 (cube) has 7 versions parallel to 7 geometries range of 3-space.
2. Hyper cube 4 has 9 versions, parallel to 9 geometries range of 4-space.
3. The simultaneous existence of existence during manifestation of hyper cube 4 as 3-space in the role of boundary and 4 –space in the role of domain gives a range of  $7 \times 9 = 63$  unit set ups.
4. One may have a pause here and take note that the solid boundary accepts fixation in terms of 32 coordinates within 4 dimensional frames.
5. Further as that, 32 points range covers 31 units range.
6. This as such, brings in the complete range of points and gaps being of value  $32 + 31 = 63$ .
7. One shall further have a pause here and take note that value  $32 = 2^5$  which is parallel to 32 combination of choices from the range (1, 2, 3, 4, 5, 6) of summation value 6 in each case.
8. Still further,  $32 - 1 = 31$  is a prime.
9. Further as that cube with its 3 dimensional frames is a structural set up of 31 components (8 corner points, 12 edges, 6 surfaces, 1 volume, 3 axes and 1 origin (center).
10. Further as that, 3-space has dimension leads to 6-space as origin of 5-space within creative boundary of 10 components.



11. Still further, as that the third perfect number (496) accepts 9 proper divisors (1, 2, 4, 8, 16, 31, 62, 124, 248) with '31' as the biggest prime divisor of prime proper divisor of '496'.
12. One may have a pause here and take note that 4-space has 9 geometries range, parallel to which are 9 version of hyper cube 4.

### LESSON-28

### SEVENTH VERSION OF CUBE

1. Seventh version of cube is free of all its boundary components.
2. This existence of (7<sup>th</sup> version of cube) within 4-space is their because of 3 dimensional frame of linear dimension, as well as, 3 dimensional frame of spatial dimensions being their integrating the domain of 3-space body (7<sup>th</sup> version of cube) as a body of 7<sup>th</sup> geometry of 3-space.
3. One may have a pause here and take note that 4-space is a spatial order space (2-space in the role of dimension of 4-space).
4. 2-space accepts a Sathapatya measuring rod synthesized by hyper cube 1 and hyper cube 2.
5. It would be a blissful to take note that manifestation of interval and square within a square, will, that way will further manifest interval and square within interval square.
6. Now, let us revisit the set up of 7<sup>th</sup> version of cube.
7. It is integrated because of a pair of 3 dimensional frame of linear and spatial dimensional respectively.
8. This pair of 3 dimensional frames of 3 linear dimensions and 3 spatial dimensions, with common origin at centre of the cube, as such shall be leading to 13 structural components namely, 1 origin, 6 half linear dimensions, 6 half spatial dimensions.
9. Further as that, the super imposition of linear dimensional frame upon spatial dimensional frame shall be leading to 19 structural components namely (1 centre, 6 half linear dimensions, 12 quarter squares / spatial dimensions).
10. One may have a pause here and take note that this leads to  $13+19 = 32$  structural components for interval and square within the interval square while interval will have additional 13 structural components.
11. This will takes us to and total of  $13+32 = 45$  structural components, which is parallel to the preservation of Mana-Sara as of 13 interval god and 32 external god.

8

**NINTH VERSIONS OF HYPER CUBE 4**

This day the course focus is upon 'Ninth versions of hyper cube 4'. It four folds aspects being taken up are as follows:

41. Let us revisit hyper cube 3 (cube)
42. 13<sup>th</sup> edge of spatial format
43. Ninth versions of hyper cube 4
44. Central focus : spatial order

The values being covered are to be taught as lessons numbers 29 to 32 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-29**

**LET US REVISIT HYPER CUBE 3 (CUBE)**

1. Within each corner point of cube is embedded a 3 dimensional frame of half dimensions of inward orientations towards centre of the cube.
2. The other 3 dimensional frames of half dimensions of outward orientation, in respect of all the eight corner points set ups, as such shall be leading to outward fixation for cube in terms of  $8 \times 4 = 32$  structural components.
3. Further as that, the internal fixation of domain fold of the cube being in terms of a pair of 3 dimensional frames, of linear dimensions, as well as, of spatial dimensional respectively, the same shall be leading to 13 structural components, namely, (1-origin, 6 half linear dimensions, 6 half spatial dimensions). ■

**LESSON-30**

**13<sup>TH</sup> EDGE OF SPATIAL FORMAT**

1. 4-space domain manifests 13<sup>th</sup> edge of 12 edges cube toward a degree of freedom of motion.
2. 3-space body as a degree of freedom of motion toward 4<sup>th</sup> dimension.
3. As 4-space is a spatial order space, as such 2-space plays role of dimension of 4-space.
4. Accordingly 13<sup>th</sup> edge has a spatial format.
5. Moreover, this degree of freedom of motion for 3-space body is available towards each of the 4 dimension of 4-space.
6. With it, 4-space domain has complete swapping in terms of  $13 \times 2 \times 4 = 104$  structural components.
7. One may have pause here and take note that  $NVF$  (four space) = 104.
8. It would be a blissful exercise to revisit the structural set up of 4-space domain permitting swapping in terms of 13<sup>th</sup> edged cube with spatial format for the 13<sup>th</sup> edge.
9. One shall tabulate all these features.
10. Further one shall specifically focus upon the set up of a 4-space domain as 9<sup>th</sup> version of hyper cube 4 parallel to 9 geometry of 4-space. ■

**LESSON-31**

**NINTH VERSION OF HYPER CUBE 4**

1. Ninth version of hyper cube 4 is 4-space domain free of all of its eight solid boundary components.
2. One may have a pause here and take note that 4-space domain has 9<sup>th</sup>

version of hyper cube 4 is free of its all eight solid boundary components but is integrated because of its spatial and solid dimensional frame being simultaneously available here.

3. One may have a pause here and take note that 4-space has a transcendental origin.
4. Transcendental origin (5-space as origin) is of a solid order (3-space in the role of dimension of 5-space).
5. 4-space domain itself of a spatial dimensional order while its origin is of a solid dimensional order.
6. This way 4-space domain in the absence of its boundary, as well remain in integrated state because of simultaneous availability of spatial and solid order.
7. 4-space dimensional frame of 4 spatial dimensions and 4 space dimensional frame of 4 solid dimensions, together make a set up which integrates 4-space domain free of this boundary.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe above format feature values organization. ■
4. 2-space domain is a 2-space contents lump manifesting as domain fold of hyper cube 2 as a 4 folds manifestation layer (0, 1, 2, 3) of summation value '6' which takes us to spatial boundary of 3-space of 6 components.
5. Spatial boundary of 3-space of 6 components, as such accepts re-organization as  $6 = 2+4$  and take off from the spatial boundary manifests as a 4 dimensional frame of 4 spatial dimensions.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe above features of manifestation of 4 dimensional spaces of four spatial dimensions.
7. One may have a pause here and take note that the organization  $6 = 2+4$  and the value 2 square and 4 square, as a jump over 3 square is a feature, which also deserves to be comprehended well and fully imbibed.
8. This also brings face to face with the set up of a pair of grids  $N \times N$  and  $(N-2) \times (N-2)$  set ups.
9. In case of grids pair  $4 \times 4$ ,  $2 \times 2$  we can glimpse as that  $4 \times 4$  grids leads to  $3 \times 3$  grid zones and this further leads to  $2 \times 2$  grids with corner points of  $2 \times 2$  grids getting superimposed upon the corner points of the outer  $4 \times 4$  grids.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above feature. ■

### LESSON-32

#### CENTRAL FOCUS : SPATIAL ORDER

1. Spatial order is the central focus of this phase of learning and teaching of creative the space.
2. Spatial order means 2-space in the role of dimension.
3. 2-space in the role of dimension takes us to 2-space domain playing the role of dimension.

9

**CENTRE OF GRID ZONES**

This day the course focus is upon 'Centre of Grid zones'. It four folds aspects being taken up are as follows:

- 45. Centre of grid zones as corner points of another grid.
- 46. Polygons and internal diagonals.
- 47. Values pairs  $[(N+2)^2, N^2]$ .
- 48. Sequential synthesis values of M numbers of dimensions of order (N & N+1).

The values being covered are to be taught as lessons numbers 33 to 36 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-33**

**CENTRES OF GRID ZONES AS CORNER POINTS OF ANOTHER GRID**

- 1. Grids lead to grid zones.
- 2. Centre of the grid zones coordinate another grid. The centre of grid zones of internal grid, gets superimposed upon the corners of the outer grid.
- 3. This feature makes a systems of reach from  $N \times N$  grid to  $(N-2) \times (N-2)$  as of the format of domain , dimension) format of a spatial order, parallel to (domain, dimension ) format of liner order (N, N-2).
- 4. One may have a pause here and one shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above feature.
- 5. It would be a blissful exercise to revisit the linear format (N, N-2) of

(domain, dimension features, and spatial order format  $[N^2, (N-2)^2]$  of (domain, dimension feature).

- 6. Illustratively for  $N = 9$ , we shall be have a linear (domain, dimension format) of value pair (9, 7) while in case of spatial order (domain, dimension format) would be parallel to values parallel (81, 49).
- 7. One may have a pause here and take note that  $NVF$  (square) = 81 and  $NVF$  (axes) = 49.



**LESSON-34**

**POLYGONS AND INTERNAL DIAGONAL**

- 1. Triangle is the polygon (surface enclosed within edges, 3) as the first polygon and it has no internal diagonal as each of the 3 vertex is connected with other pair of vertex without being through the enveloped surface.
- 2. Square is polygon of 4 sides accepting a pair of internal diagonals, both passing through the centre of the square.
- 3. Pentagon is a polygon of 5 sides and through each of 5 vertex, emanates 3 internal diagonals and all these internal diagonals intersects in such a way that they intersection points constitute internal pentagon concentric with the outer pentagon, and as such none of the internal diagonal pass thought centre of the pentagon.
- 4. As internal diagonal of a pentagon constitute internal concentric pentagon. With none of the diagonal passing through the centre

as such this is to continue add-infinity.

5. It is this feature which deserves to be imbibed fully.
6. A step ahead, hexagon's internal diagonal as well constitute internal hexagon but only half of the internal diagonals pass through the centre of the hexagon.
7. This way, it would be a blissful exercise to glimpse and imbibe the structural set ups of polygons and their internal polygons and the feature of internal diagonals passing through the centre of the polygons.



**LESSON-35**

**VALUES PAIRS [(N+2)<sup>2</sup>, N<sup>2</sup>]**

1.  $(N+2)^2 = N^2 + 4N + 4$ .
2. It is parallel to the geometric set up of a square of side value (N+2).
3. The geometric set up of a square is a structural set up of 4 corner points, 4 sides and 1 area.
4. As such, geometric set up of  $(N+2)^2$  is
  - (i) Area  $N^2$ .
  - (ii) Boundary lines for of value  $4N$  and
  - (iii) 4 corner points of value 4.
5.  $(N+2)^2$  leads to area  $N^2$ .
6. One may have a pause here and take note that  $M \times M$  grid accepts  $M$  points along each of rows, columns and diagonals.
7. This feature, as such, eqvients sides and diagonals.
8. With it, the rectangular axis and diagonal axis permit swapping of placements.
9. It amounts to collapse of grid at the centre.
10. It further amounts to superimposition of addition (+) and multiplication (x) operations.
11. With it, the point of a grid zone becomes a structured point such that
  - (i)  $0+0 = 0 \times 0 = (-0) \times (-0)$ , and further
  - (ii)  $2+2 = 2 \times 2 = (-2) \times (-2)$ .
12. I brings us face to face with that both 0 and 2 accepts common feature, as much as that, not only, addition (+) and multiplication (x) operation get superimposed in distinguishable, but also the opposite orientation as well gets superimposed in distinguishably.
13. One may have a pause here and take note that 0space plays the role of dimensions of 2-space, while 2-space plays the role of dimensions of 4-space.
14. As such the above feature of superimposition of addition and multiplication operation, as well as, in case of a pair of opposite orientation at spatial dimensional order, as well as at 0 dimension of dimension order and that being so the spatial order becomes of a unique values.
15. One may have a pause here and take note that if centre of a polygon is jointed with a pair of vertex of the polygon, then the first half diagonal will yield value (N+2), the second half diagonal as well would be yielding (N+2) value, and the reach from first vertex to the second vertex will be a travelling value 'N'.

## Transcendental content

16. One may have a pause here and take note that this will lead to synthesis value  $(N+2)+(N+2)-N = N+4$ .
17. A step ahead, the reach of 3 half diagonal from centre of polygon to 3 constitute vertex of polygon shall be leading us to value  $[(N+4)+(N+2)-2N] = 6$ .
18. A step ahead the synthesis value of 4 half diagonal joining centre of the polygon with four constitute vertex of the polygon shall be leading to synthesis value  $[(6)+(N+2)-3N] = 8-2N$ .
19. Like that, we can proceed for sequential reach at the synthesis value, as per the following rule:  
Step 1: Reach at value of synthesis of M half diagonal.  
Step 2: Add value  $(N+2)$  to the above value.  
Step 3: Subtracted value  $(M+1) \times N$  form the above value reach at step 2.  
Step 4: Value reach at step 3 is the value of synthesis of  $(M+1)$  half diagonal.
20. This way, one can sequentially reach at the synthesis values for every polygon.
21. One may have a pause here and take note that the above values for  $n = 1$  would be the sequential synthesis values of linear dimensions of single double triple, quadruple and higher numbers of linear dimension.
22. For  $n = 2$  it would be a reach for sequential synthesis of spatial dimensions.
23. A step ahead, for  $n = 3$  would be a reach for synthesis values of solid dimensions.
24. And likewise, for  $n = (4, 5, 6, 7 \dots)$  there would be a reach for creative (4-space), transcendental (5-space), self-referral (6-space), unity state (7-space) and of higher dimensional orders set ups.

### LESSON-36

### SEQUENTIAL SYNTHESIS VALUES OF M NUMBERS OF DIMENSIONS OF ORDER (N AND N+1)

1. The synthesis values of linear dimensions numbering (0, 1, 2, 3, 4, 5, 6 ...) come to be (0, 1, 3, 6, 10, 15, 21, 28 ...).
2. The synthesis values of spatial dimensions numbering (0, 1, 2, 3, 4, 5, 6 ...) come to be (0, 2, 4, 6, 8, 10, 12, 14 ...).
3. The difference values of synthesis values of respective number of linear and spatial dimensions come to be as under (0, -1, -1, 2, 5, 9, 14, 20, 27 ...).
4. One may have a pause here and take note that the above difference values sequence is the differences values sequence of any pair of constitute dimensional order pair  $(N, N+1)$ .
5. It would be a blissful exercise to tabulate dimensional synthesis values sequences for whole range of dimensional orders N (negative, positive, negative, positive and zero) for whole range of number of dimensions in each case that is for

all values of  $M$  (negative, zero, positive).

6. It would be a very blissful exercise to reach at above table.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format features.



10

**COUNTS AND GAPS COUNTS**

This day the course focus is upon ‘Counts and gaps counts’. Its four folds aspects being taken up are as follows:

41. Difference value sequences of consecutive dimensional orders synthesis of equal numbers of dimension
42. Counts and gaps counts
43. About this year course
44. Ganita Sutras and Ganita Upsutras

The values being covered are to be taught as lessons numbers 37 to 40 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-37**

**DIFFERENCE VALUE SEQUENCES OF CONSECUTIVE DIMENSIONAL ORDER(S) SYNTHESIS OF EQUAL NUMBERS OF DIMENSION**

1. The difference value sequence for (0, 1, 2, 3, 4, 5, 6 and higher number of dimensional comes to be: (0, -1, -1, 0, 2, 5, 9, 14, 20, 27 ...).
2. Firstly let us notice the sequential differences values of consecutive values of the above sequence (2, 5, 9, 14, 20, 27 ...).
3. This range of value (2, 5, 9, 14, 20, 27) accepts re-organization as: [(0+2), (0+2+3), (0+2+3+4), (0+2+3+4+5), (0+2+3+4+5+6), (0+2+3+4+5+6+7) ...].
4. It is evident that the differences of values of above ranges for its consecutive pair of values come to be (2, 3, 4, 5, 6, 7 ...).

5. One may have a pause here and take note that this range of values as dimensional orders takes us to sequence of dimensional spaces (4-space, 5-space, 6-space, 7-space, 8-space ...).
6. One may further have a pause here and take note that as the origin constitutes a compactified range, as such this range sequentially unfolds :
  - (i) 4-space
  - (ii) 4-space and 5-space
  - (iii) 4-space, 5-space, 6-space
  - (iv) 4-space, 5-space, 6-space and 7-space
  - (v) And so on.
7. Accordingly there is sequential transcendence of dimensional orders as :
  - (i) Spatial dimensional order
  - (ii) Spatial dimensional order and solid dimensional order
  - (iii) Spatial dimensional order, solid dimensional order and creative dimensional order
  - (iv) Spatial dimensional order, solid dimensional order, creative dimensional order and transcendental dimensional order.
  - (v) And so on.
8. Parallel values sequence comes to be of value as under :
  - (i) Value 2
  - (ii) Value 2+3
  - (iii) Value 2+3+4
  - (iv) Value 2+3+4+5
  - (v) And so on
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting and to glimpse and imbibe the above format features.



### LESSON-38

## COUNTS AND GAPS COUNTS

1. Counts and gaps counts are of different generic.
2. Counts (1, 2, 3, 4, 5, 6 ...) and their gaps accept counts of different generic.
3. Counts (1, 2, 3, 4, 5, 6 ...) accepts placement of value as under at their middle placement:  
(1,  $3/2$ , 2,  $5/2$ , 3,  $7/2$ , 4,  $9/2$  ...).
4. Taking counts (1, 2, 3, 4, 5, 6 ...) as linear order counts, the gaps counts sequence (1,  $3/2$ , 2,  $5/2$ , 3,  $7/2$ , 4,  $9/2$  ...) is a sequence of counts of axes of spatial order of 4-space.
5. As such, spatial order leads to values sequence (2, 3, 4, 5, 6 ...).
6. One may have a pause here and take note that (5, 6, 7, 8, 9 ...) numbers of dimensions lead to difference values sequences (5, 9, 14, 20, 27, ...) leads us to:
  - (i)  $5 = 5 \times 1$
  - (ii)  $9 = 6 \times 3/2$
  - (iii)  $14 = 7 \times 2$
  - (iv)  $20 = 8 \times 5/2$
  - (v)  $27 = 9 \times 3$
7. It leads us to the interrelationship of numbers of dimensions sequence (5, 6, 7, 8, 9 ...) and of difference value sequence (5, 9, 14, 20, 27 ...) and gaps counts sequence (1,  $3/2$ , 2,  $5/2$ , 3,  $7/2$  ...).
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format and features.
9. One shall further revisit the above second phase learning focus steps and to imbibe the same to acquire proper insight and appropriate enlightenment of spatial order creator's space.

### LESSON-39

## ABOUT THIS YEAR COURSE

1. Vedic Mathematics course is of four year duration.
2. Presently we are in second year of this course.
3. Previous year course has been devoted to 3-space mathematics.
4. Present year course focus upon 4-space mathematics.
5. 3-space mathematics approaches space within a 3 dimensional frame of 3 linear dimensions.
6. 4-space mathematics approaches space interms of a dimensional frame of quadruple spatial dimensions.
7. 3-space mathematics is designated as mathematics of a linear order as it is worked out interms of linear unit.
8. Now during this year we shall be working out mathematics with spatial units.
9. Linear unit, as such avails number value 1. Spatial units shall be availing number value 2 as a unit.
10. As line becomes the basic mathematical 2 of 3-space mathematics, surface is going to be basic mathematical 2 of 4-space.
11. Vedic system accepts 4-space as Creator's space.
12. Lord Brahma, four head lord, is the over lord of this space.

## Transcendental content

13. Idol of lord brahma is the basic creation format.
14. Creation along this format will remain central focus during this year.
15. While the focus during previous year has been upon arithmetic along algebraic format, during this year the focus is going to be upon algebra upon geometric format.
16. Pervious year focus has been upon Ganita Sutras 1 and 2 as well as upon Ganita Upsutra 1 and 2. During this year the focus is going to be upon Ganita Sutras 3 to 7 and Ganita Upsutras 3 to 9.
17. The working focus during previous year has been upon digit by digit handling of numbers values. During this year focus is going to be upon paired digits approach to number values.
18. Cube, as representative regular body of 3-space has been availed for consolidation of 3-space mathematics as a bases base for 3-space VMS&T. during this year the structural format of hypercube 4 would be availed to consolidate values of 4-sapce mathematics as bases base of 4space VMS&T.
19. During previous year cube was also visited within a cube.
20. During this year cube would be visited within 4-space (domain/hypercube 4).
21. Further during this year hypercube 4 as well would be visited within hypercube 4.
22. Focus during this year is also going to be upon different role of 4-space which permit consolidated expression as 4x4 matrix/gird as follow:
- |    |   |   |
|----|---|---|
| 12 | 3 | 4 |
| 23 | 4 | 5 |
| 34 | 5 | 6 |
| 45 | 6 | 7 |
23. One may have pause here and take note that it shall be bring us focus, 4 basic roles of 4-space, namely:
- i. 4-space as origin fold.
  - ii. 4-space as domain fold.
  - iii. 4-space as boundary fold.
  - iv. 4-space as dimension fold.
24. 4-space dimension fold sequentially leading to 4-space as boundary of 5-space, 4-space dimension of 6-space and 4-space as dimension leading to 7-space as origin.
25. One may have further have a pause here and take note that format feature of idol of lord brahma are parallel to the format feature of hypercube 4 as four folds manifestation layer with 2-space as dimension fold, 3-space as boundary fold, 4-space as domain fold and 5-space as origin fold.
26. This is parallel to four head lord brahma having a pair of eyes in each head and lotus seat of lord being of eight petals and within cavity of heart of lord brahma is the seat of transcendental lord shiv, five head lord with 3 eye in each head and with the grace of transcendental lord shiv, Lord Brahma multiplies as 10 Brahma in a shiv lok (5-space) manifesting creative boundary (4-space as boundary) of 10 components.

27. The blissful fruit of this year learning would be that one shall be inciting oneself for transcending through manifested creation format of 4-space and shall be transcending blissful to transcendental domain (5-sapce).
28. Within it be glimpsed and imbibed during this year learning our beginning is to be of mental state of linear order 3-space and end fruit of learning through year of creator the space shall be blissfully putting us at phase and stage of transcending from format of hypercube 4 to format of hypercube 5. ■

### LESSON-40

#### GANITA SUTRAS AND UPSUTRAS

1. Originally whole range of knowledge constituting one Ved.
2. This knowledge was organized by Maharishi vedvas into four Vedas namely rig-Ved, yjar-ved, sam-ved and atharv-ved.
3. Atharv Ved is the Ved of reaching at the values of first 3 Vedas namely rig Ved, yjar Ved and Sam Ved.
4. Ganita Sutras and upsutras are appendix portion of atharv Ved.
5. Appendix portion of atharv Ved are the reservoir of applied values of the pure value of the Ved.
6. These applied values of pure value of the Ved manifest as up Ved of the Ved.
7. Sathapatya up Ved is the Ved of athrav Ved.
8. As such the structural key of Ganita Sutras and upsutras are pressured and are lively along the format of Sathapatya measuring rod.
9. Man-sarah is the scripture of Sathapatya upved.
10. Lord Vishnu, the over lord of 6-space, is the presiding deity of Sathapatya measuring rod.
11. Lord Brahma, over lord of 4-space, is the presiding deity of measuring rod.
12. Ganita Sutras and upsutras mathematics domain permits chase along the format of Sathapatya measuring rod.
13. This settles mathematical domain of Ganita Sutras and upsutras being of a format of 6-space domain enveloped within transcendental boundary (5-sapce domain as boundary).
14. As 6-space place the role of origin of 5-space, as such to glimpse and imbibe the values of Ganita Sutra and upsutras, the same as to be glimpsed as origin of transcendental domain.
15. This makes sole syllable Om as the transcendental reservoir of the virtues of manifesting as Ganita Sutra and Ganita Upsutras.
16. With it the values and virtues of reservoir of sole syllable Om is available with us to tape Ganita Sutra 1 as the source sutra and Ganita Upsutra 1 as the source upsutra.
17. The informal invocation innocence fulfilled young minds begins with the first breath of the newly born.
18. This informal education is continued further by the parents. Even teacher as well, at the initial stage pickup this thread itself till

## Transcendental content

formal education initiation step is consciously taken and accepted by schooling system.

19. Formal education focus upon the values of Ganita Sutra 1 and Ganita Upsutra 1.
20. Primary education covers values of Ganita Sutras 1 and 2 together with that of Ganita Upsutras 1 and 2 aiming to go parallel with the natural progression steps of intelligence field with young minds.
21. From this stage, formal middle class level mathematics course begins and it perfects handling of number values.
22. With perfection of this skill, the real Vedic Mathematics education begins.
23. Parallel to the present day schooling calander, this education extends over four year duration of high and higher secondary classes.
24. This education stand phased as of 3, 4, 5, 6 space mathematics focus.
25. Ganita Sutras 1 and 2 together with Ganita Upsutras 1 and 2 become the learning focus of first year (class 9).
26. Ganita Sutras 3 to 7 and Ganita Upsutras 3 to 9 remain the learning focus of second year (class 10).
27. A step head, Ganita Sutras 8 to 11 and Ganita Upsutras 10 and 11 emerge as the learning focus of third year (class 11).
28. Learning completion comes to be with Ganita Sutras 12 to 16 and Ganita Upsutras 12 and 13 during fourth and final year (class 12).
29. This learning has the feature of approaching arithmetic on algebraic format, algebra on geometric format, geometry on manifestation format and manifestations on transcendence format.
30. Transcendence itself inherently goes self-referral and attained unity state.
31. As such during these four year duration, sequential focus remains upon 3-space, 4space, 5-space, and 6-space.
32. This brings us face to face with linear spatial solid and creative dimensional orders units of measures.
33. One shall sit comfortably and permit the transcending mind to visit and revisit the text of Ganita Sutras and upsutras.
34. This text avail just 519 letters. As such one can memories this text with a few recitation only.
35. Ones the text stand imprinted in the intelligence field the rest whole exercise make Vedic Mathematics a natural mental mathematical process.
36. With it, the first formal step of learning may be taken as to memories the texts of Ganita Sutra and upsutas.
37. The second learning step comes to be to respect the sequence and order of the texts. This respect is to be maintained in respect of the sequence and order of the values and features accepted by the individual letters of the text.
38. Within the mind the one shall approach each and every formulation and each and every sub formulation and each and every sutra and upsutra.
39. This respect for the organization format features of the text of Ganita

Sutra and upsutras will help sadhkas/students of Vedic Mathematics to glimpse and imbibe the mathematical domain of Ganita Sutra and upsutras as self-referral origin reservoir of transcendental domain.

40. With it one shall be perfecting one's intelligence along one's consciousness format itself.
41. It is going to be the attainment of learning of this Vedic Mathematics course to imbibe the value of mathematical domain of Ganita Sutra and upsutras.



11

**FOUNDATON OF 4-SPACE VMS & T**

This day the course focus is upon 'Foundation of 4-space VMS & T'. It four folds aspects being taken up are as follows:

- 45. To imbibe the values of real 4-space
- 46. Foundation of 4-space VMS & T
- 47. Transition from 3-space to 4-space
- 48. 3-space domain in sealed state

The values being covered are to be taught as lessons numbers 41 to 44 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-41  
TO IMBIBE THE VALUES OF  
REAL 4-SPACE**

- 1. Degree of freedom of motion in space for solids make the space around as a 4-space.
- 2. A degree of freedom of motion for solids framed within dimensional frame of 3 dimensions makes the 4<sup>th</sup> dimension.
- 3. The solids being enveloped with in a spatial boundary, as such the dynamic state solid shall be swapping the space around in terms of its spatial boundary.
- 4. This makes the fourth dimension acquired by the dynamic state solids being of a spatial order.
- 5. One may have pause here and take note that dimensional frame of solid is a set up of 3 linear dimensions.
- 6. However the emerging fourth dimension is of a spatial order.
- 7. One may have further have a pause here and take note that the spatial order of the dimension in 4-space will make dimensional frame of 4-space being a setup of quadruple spatial dimensions.
- 8. It is this distinguishing feature which deserves to be comprehended well and to thoroughly appreciated to have full imbibing of the values of 4-space.
- 9. One may have further have pause here and take note that the emerging spatial dimensional frame of quadruple dimensions leads to value  $2+2+2+2 = 8$  as the value of this dimensional frame.
- 10. One may further have pause here and take note that as triple dimensions of solids lead to sequential values triple (1, 1+1, 1+1+1) and the same in a dynamic state, at next step leading to value '8' because of spatial dimensional order of 4-space.(a space of motion of solids).
- 11. It brings us to face to face with a values quadruple (1, 2, 3, 8).
- 12. This enlightenment value is preserved by Sweteshwara Upanishad.
- 13. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the values of real 4-space, a space of spatial dimensional order, permitting to be framed within a dimensional frame of quadruple spatial dimensions.
- 14. One shall further visit and revisit the setup of a cube.
- 15. A 3 dimensional frame of triple spatial dimensions helps cut cube as

8 sub cubes parallel to split of 3-space into 8 octants.

16. It would be a blissful to take note that innermost corner point of all the sub cubes having common placement at centre of the cube itself.
17. It would be further blissful to take note that in each corner point of cube (as well as of a sub cube) is embedded a 3 dimensional frame of half dimensions.
18. This makes centre of the cube being enveloped by 8 solids together constituent a solid boundary of 8 components.
19. It would be a blissful to take note that centre of cube the seat of 4-space enveloped with a solid boundary of 8 components parallel to the format feature of hypercube 4.
20. As such first location of 4-space within 3-space goes parallel to the centre of the cube, the representative regular body of 3-space.
21. This bring us face to face with 4-space as origin of 3-space, marking it presence as centre of cube.
22. It would be a blissful to comprehend and imbibe the above emerging features and values of 4-space as that 4-space is the origin of 3-space.
23. Further as that 4-space manifests as centre of the cube.
24. Still further as that 4-space is of a spatial dimensional order and it accepts a dimensional frame of quadruple spatial dimensions.
25. Still further as that the boundary of 4-space body is solid and same accepts split of 8 components.
26. This makes the setup of format and feature of hypercube, the representative regular body of 4-space as a 4 fold manifestation layer with 2-space as dimension fold, 3-space as boundary fold and 4-space as domain fold.
27. One may have further have a paused here and take note that center of the cube unfolds a ten directional frame.
28. Further as that at centre of cube is seat of origin of 3-space and as such of origin of a three dimensional frame of 3 full dimensions.
29. Still further as, that each of 8 corner points of cube is embedded a 3 dimensional frame of half dimensions of orientation inward towards the centre of the cube.
30. This make us coordination of these 8 three dimensional frames of half dimensions as quadruple pairs of such frames.
31. Further as that at the corner point of 4 internal diagonal of a cube are the seat of origin points of the respective 3 dimensional frame embedded in the respective corner points of the cube.
32. Each of the four diagonal manifests a translation path for the respective 3 dimensional frames with origins at the end points of the diagonals.
33. The pairs of 3 dimensional frames on their translation and with a reach at centre of the cube will result into a synthesis there of their 3 dimensional frame of full dimensions.

## Transcendental content

34. Likewise will gets synthesized quadruple 3 dimensional frames of full dimensions which together with 5<sup>th</sup> three dimensional frame of full dimensions already available at centre of cube will make a setup of 5 three dimensional frames of full dimensions.
35. This makes a solid dimensional frame of 5 solid dimensions of a transcendental domain (5-space).
36. One may have pause here and take note that this bring us face to face with the seat of origin being the seat of 5-space domain.
37. It would be a blissful to comprehend and imbibe these values.
38. It will bring us face to face with the setup of hypercube 4, the representative regular body of 4-space, accepting 5-space in the role of origin fold of hypercube 4.
39. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse, comprehend and to imbibe the features and values of 4-space body manifesting along the format of hypercube 4 parallel to format of idol of Lord Brahma, the over lord of real 4-space.



### LESSON-42

## FOUNDATION OF 4 SPACE VMS & T

1. 4-space Creator's space.
2. Lord Brahma is over Lord of 4-space.
3. Idol of Lord Brahma manifests the creation format.
4. The creation format is a 4 fold formats.
5. Four heads of Lord Brahma settle dimensional frame of four dimensions.
6. Pair of eyes each head settle the spatial order (2-space in the role of dimension of 4-space).
7. Lotus seat of eight petals of idol of Lord Brahma settle solid boundary of eight components for hypercube 4, the representative body of 4-space.
8. Seat of Lord Shiv, 5 head transcendental Lord in the heart of Lord Brahma settles transcendental origin fold of hypercube 4.
9. Hypercube 4 is a 4 fold formats with 2-space in the role of dimension.
10. Square is the representative body of 2-space.
11. 2-space accepts a dimensional frame of a pair of axes.
12. This dimensional frame as a set up of pair of axes, organizes a format for the domain fold (surface of square, as organization of infinite sequence of infinite sequences).
13. One may have pause here and take note that square surface accommodates infinite number of lines and each line accommodate infinite number of points.
14. With its surface / domain fold of 2-space accommodate infinite sequence of infinite sequences as its entities.
15. One shall sit comfortable and permit the transcending mind to glimpse and imbibe the values of this organization feature of creator's the space(4 space)



16. It would be blissful to take note that here in this organization format the spatial order is inherently having been inbuilt foundation of 4-space VMS & T.
17. One may have pause here and take note that the foundation of 3-space VMS & T is inherently built in the organization format of ninth sub cube of the cube and foundation of 4-space VMS & T is inherently built in the spatial order of 4-space.
18. One shall sit comfortably and permit the transcending mind to continuously in prolonged seating of Trans and to sequentially glimpse and imbibe the values of foundations of 3-space VMS & T and four space VMS & T.
19. Along the foundation of 4-space VMS & T manifest the whole range of hyper cubes of negative, zero and positive dimensional order, including the linear dimension order of 3-space, as well as the spatial dimensional order of 4-space itself.
20. The foundation of 5-space VMS & T is of transcendental features as the foundation of 5-space VMS & T is inherently built in the transcendence permissible in the set ups of 4 folds manifestation, creation, format of hyper cubes along the format of idol of Lord Brahma, the over lord of creator's space, who transcendence multiplies as 10 Brahmas.
21. The way transcendence goes self referral with strip of creative a boundary of transcendental domain and there by stand established foundation of 6-space VMS & T.
22. Creative boundary creating self referral domain is the foundation features of 6-space VMS & T.
23. Transcendence permissible at the origin of hypercube is the foundation of 5-space VMS & T.
24. In spatial order is inherently built the foundation of 4-space VMS & T.
25. The lively ninth sub cube phenomenon is the foundation of 3-space VMS & T.
26. One shall sequential comprehended and imbibe the values and feature of foundation of 3, 4, 5 & 6 spaces VMS & T.
27. One shall continuously remain in prolonged setting Trans and to glimpse the bliss of unison format of unity state of the virtues of values of different phase VMS & T as 3, 4, 5, 6 spaces VMS & T.

### LESSON-43

### TRANSITION FROM 3-SPACE TO 4-SPACE

1. 3-space and 4-space distant spaces.
2. 3-space is different set up of then that 4-space set up.
3. 3-space has cube as its representative regular body.
4. 4-space has hypercube 4 as its representative regular body.
5. Transaction from 3-space to 4-space will amount to transaction from cube to hypercube 4.
6. Cube has 3 dimensions avail hypercube 4 as 4 dimensions.
7. Cube has 6 surfaces while hypercube 4 as 8 solids.

## Transcendental content

8. Transaction from cube to hypercube 4 takes from the 3 dimension and 6 surface frames to 4 dimensions and 8 solid frames.
9. Domain framed within 3 dimensions and 6 surface of cube is a 3-space domain.
10. Domain within frame 4 dimensions and 8 solid is a 4-space domain.
11. 3-space body is framed within a 3 dimension frames.
12. 3-space body is also framed within surfaces.
13. 4-space body is framed within 4 dimensional frames.
14. 4-space body is also framed within solids.
15. 3-space domain is of different features than that of 4-space domain.
16. Distinctives of 3-space domain features is there from those of 4-space domain features, because of distinctives of 3-space contained from that of 4-space contained.
17. 3-space contained is of different features than that of 4-space contained.
18. 3-space contained lumps manifests as domain fold of 3-space body.
19. 4-space contained lump manifests as domain fold of 4-space body.
20. 2-space contained manifests as surface of 3-space boundary body.
21. 3-space contained manifest as solid boundary.
22. 1-space contained as dimension of 3-space dimensional frame.
23. 2-space contained manifest as dimension as 4-space dimensions frame.
24. The center of 3-space body is the seat of origin of 3-space.
25. The center of 4-space body is the seat of origin of 4-space.
26. 4-space placed a role of origin of 3-space.
27. 4-space contained manifests as origin fold of 3-space body.
28. Center of 3-space domain is the seat of origin fold of 3-space body.
29. Center of 3-space domain is of distinctive feature than all other points of 3-space domain.
30. This distinctive of centre of 3-space domain is there because of center being the seat of origin fold of 3-space body.
31. This makes centre of 3-space domain being of dual status.
32. This dual status is firstly as centre is like any other point of the domain, secondly as that centre is also this seat of origin fold.
33. When origin fold is at zero value than is goes undistinguishable and the same gets on distinguishable from center from being just a point of 3-space domain itself.
34. In this state, 3-space domain is stated to be in a sealed state.
35. When this seal is broken, transcendence takes place.
36. It amounts to 3-space domain reaching base fold through origin.
37. One may have a pause here and take note that 4-space domain and its boundary are of distinct features and have distinct placement. ■

## LESSON-44

### 3-SPACE DOMAIN IN SEALED STATE

1. 3-space domain is a domain fold of a cube/hypercube 3.
2. Hypercube 3 (cube is a four folds setup).
3. These four folds are (1-space as dimension, 2-space as boundary, 3-space as domain, 4-space as origin).
4. 3-space as domain is 3-space contained manifests as domain.
5. At center of domain is the seat of origin.
6. When origin is in a zero value state, then domain in a sealed state.
7. During this state, origin of a dimensional gets superimposed upon center of domain.
8. This way, center domain, origin of 3-space, origin of three dimensional frame have common placement.
9. When origin fold is of expression that it boundary fold and domain fold are marking their presence distinctively then 3-space domain is said to be in un-sealed state.
10. One may have pause here and note that 3-space itself accepts split into 8 octants parallel to it, cube splits into 8 sub-cubes.
11. This amount to, center of the cube being a seat of inner most corner point of all its sub-cubes.
12. This is parallel to domain fold of hypercube 4 being enveloped within a solid boundary of eight components.
13. When domain fold is free off its boundary, it is said to be in an unframed state.
14. However during this state, still 3 dimensional frame condition of set up of domain.
15. With removal of dimensional frame, origin 3 dimensional frame also gets lifted away from its seats at the centre.
16. In this state, 3-space domain is said to be really in an unsealed state, as in this state, it is free of all the restriction because of boundary fold and dimensional frame.
17. However the split of 3-space into 8 octant and parallel to it the split of cube into 8 sub-cubes, amount to 3-space multiplying 8 folds.
18. It is the feature of Triloki multiplying 8 folds.
19. As Triloki as multiply 8 folds, as such each these Triloki will be manifesting further  $8 \times 8 = 64$  Triloki
20. One may have paused here take note that this is parallel to origination of Rig Ved Samhita as 8 Ashtaks and 64 Adhyays.
21. 3-space domain in an unsealed state releases its origin fold and 3-space domain itself realize to boundary state of 4-space.
22. This state of 3-space domain, in its one shall set up amounts to transition from the format of cube to the format of hypercube 4.



## 12 GAB BRIDGING

This day the course focus is upon 'Gab bridging'. It four folds aspects being taken up are as follows:

49. 3-Space domain in the role of solid dimensional order
50. Different role of 3-space
51. Dark and white matter
52. Gab bridging

The values being covered are to be taught as lessons numbers 45 to 48 to the students of 4-space Vedic Mathematics, Science & Technology.

### LESSON-45 3-SPACE DOMAIN IN THE ROLE OF SOLID DIMENSIONAL ORDER

1. The unsealed state of 3-space domain will permit transcendence for 3-space through 4-space as its origin and it shall be having it reach a optical 5-space as origin of 4space
2. This reach of 3-space though 4-space optical 5-space puts 3-space in the role of dimension of 5-space.
3. 3-space as dimension of 5-space is the role of 3-space as dimension fold of hypercube 5.
4. The seat of 5-space as origin of 4-space is at centre of hypercube 4.
5. With 4-space domain in its sealed state shall be making centre of 4-space domain as the seat of origin of 4-space dimensional frame.
6. During this state, 3-space gets superimposed upon center of 4-space domain.

7. This super imposition which makes dimension, boundary, domain and origin of hypercube 5 being undistinguishable.
8. Took have segregation of features of different folds of hypercube 5; there would be a need to unsealed the origin to unsealed the 4-space domain.
9. One may have pause here and note that originally, the 3-space domain was put up in its unsealed state, and now, a step head, there is a need to put 4-space domain itself, as well in an unsealed state.
10. With it, we shall be coming face-to-face with transition for the role of 3space from that of domain fold into that of dimensional fold.

### LESSON-46 DIFFERENT ROLE OF 3-SPACE

1. 3-space contained manifests as domain fold.
2. This is the first role of the 3-space.
3. It is the basic role of 3-space.
4. All other role of 3-space or as roles of domain fold itself.
5. When 3-space domain becomes the boundary of 4-space it amount the transition from the domain fold to the boundary fold.
6. Being boundary fold, is the second role of 3-space.
7. In fact it is the role of 3-space domain as boundary fold of 4-space.
8. 3-space as domain fold is the first role of 3-space domain, as well as it is the first role of 3-space itself.

- 9. The second role of 3-space domain, in this context will be as boundary fold of 4-space.
- 10. The third role of 3-space is as dimension of 5-space.
- 11. 3-space domain manifests as solid dimension of 5-space.
- 12. 3-space placed the role of dimension fold of hypercube 5.
- 13. Fourth role of 3-space is as origin of 2-space.
- 14. 3-space as domain fold of hypercube3, 3-space boundary fold of hypercube 4, 3-space dimensional fold of hypercube 5 and 3-space origin of 2-space are basic feature of 3-space.
- 15. Fifth role of 3-space is as base fold of hypercube 1.
- 16. One shall set compatibly and have a fresh look at the following 5x5 grid to comprehend to imbibe the interrelationship 3-space with other spaces.

-1	0	1	2	3
0	1	2	3	4
1	2	3	4	5
2	3	4	5	6
3	4	5	6	7

- 17. Above 9-spaces range (-1, 0, 1, 2, 3, 4, 5, 6, 7) is the range five different roles of 3-space.
- 18. These five roles are as dimension, boundary, domain, origin and base.
- 19. Sixth role of 3-space is as a format of base fold.
- 20. It take us to -2-space as dimension, -1-space as boundary, 0-space as domain, 1-space as origin, 2-space as base and 3-space the format of base.

- 21. These 6 role of 3-space shall be taking us to range of 11-spaces (-2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8).
- 22. The interrelationship of 3-space with other spaces can be expressed along 6x6 grids as under:

-2	-1	0	1	2	3
-1	0	1	2	3	4
0	1	2	3	4	5
1	2	3	4	5	6
2	3	4	5	6	7
3	4	5	6	7	8



### LESSON-47 DARK AND WHITE MATTER

- 1. Dark and white matter are distinct matters.
- 2. Dark matter manifests dark domain dimension.
- 3. White matter manifests white dimensions.
- 4. Dark matter and white matter, likewise play different role as dimension, boundary, domain, origin, base, format
- 5. The format role also takes us a step head to 'stated' as its distinct fold basis.
- 6. Reach from base fold to basis fold is a sequential reach as base fold, format fold, and bases fold.
- 7. From basis fold there is reach to source state.
- 8. Source state is designated as natural state.
- 9. Base fold, format fold, basis fold, and source fold or quadruple states beyond the origin fold.

## Transcendental content

10. Origin fold to source fold is a five steps long range non as transcendence range.
11. This transcendence range (origin fold, base fold, format fold, bases state and source reservoir) take us from origin to sources reservoir.
12. A reach from dimensional fold to source reservoir is an 8 step long reach.
13. This reach is 8 fold reach.
14. This is a reach from dark matter to white matter gap coverage.
15. Dark matter is the first step and white matter is the 8 step of this reach.
16. This reach is from “infinity to the stage of pairing of infinities”.
17. Beginning in infinity and reaching optical pairing of infinities is the coverage attainment of this 8 fold range from dark matter to white matter.
18. Infinity itself is discipline of pairing of circle while pairing of infinities become discipline of pairing of spheres.
19. The mathematics of pairing of circle to pairing of sphere is mathematics of range from dark matter to white matter existence phenomenon.
20. Reaching from dark matter optical white matter and back from white matter to dark matter is coverage along both orientations.
21. One shall sit comfortably and permit the transcendence mind to visit or revisit this range in both orientations.
22. This will help perfect one’s intelligence parallel to the discipline of Vedic mathematics values of the coverage range of infinity as a paired

voids permitting r-pairing of paired pairs of voids. ■

## LESSON-48 GAB BRIDGING

1. ‘Gab bridging’ is one of the basic attainments of mathematically system.
2. Whole numbers sequence has gaps in between the values of this sequence.
3. The values sequences (... -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5 ...) as gaps in between pairs of values. One way to bridge these gaps is to insert middle values which shall be taking us from the above sequence to the following sequences.  
(... -5, -4.5, -4, -3.5, -3, -2.5, -2, -1.5, -1, -0.5, 0, .5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5 ...)
4. A step head, again middle values for pair the value of above sequence can be inserted, and like that process may continue infinitely.
5. Vedic system approach number values in terms of their artifices parallel to dimensional frames as such the unique mathematical technique is being is availed by Vedic mathematics to bridge the gaps or values wholes numbers values sequences.
6. As per this mathematics Vedic technique, hypercube for orbits are being availed.
7. Hypercube format is a 4 folds format.
8. It is a 4 folds manifestation layer format.
9. Basic value of this format is that differences between the values of those 4 folds are equal to unit value.

10. In the context of whole value number this format of 4 folds manifestation layers; as such become a set up of 4 congestive whole numbers.
11. The quadruple value ( $N$ ,  $N+1$ ,  $N+2$ , and  $N+3$ ) is 4 folds manifest layer of hypercube ( $N+2$ ).
12. Value  $N$  is the value of dimensional fold.
13. Value  $N+1$  is the value of boundary fold.
14. Value  $N+2$  is the value of domain fold.
15. Value  $N+3$  is the value of origin fold.



### 13

#### GANITA SUTRAS 3, 4, 5, 6 & 7

This day the course focus is upon 'Ganita Sutras 3, 4, 5, 6 & 7'. It four folds aspects being taken up are as follows:

53. General
54. Ganita Sutras 3, 4, 5, 6 & 7
55. Conceptual term of Ganita Sutras 3 to 7
56. Creator space

The values being covered are to be taught as lessons numbers 49 to 52 to the students of 4-space Vedic Mathematics, Science & Technology.

#### LESSON-49 GENERAL

1. There are 16 sutras and 13 upsutras.
2. Om is the transcendental source reservoir of virtues of Vedic knowledge and Vedic system.
3. End reach of these values and systems is 'Pranava'. The synonym of Om.
4. The in between range is of 29 steps as of 16 Ganita Sutras and 13 Ganita Upsutras.
5. One way to approach this mathematical domain is as of steps :
  - (I) Ganita Sutras 1, 2 and Ganita Upsutras 1, 2, which have been learning focus of class 9. Here arithmetic has been worked out on algebraic format. This algebraic format values are provided by Ganita Sutras 3 to 7 and Ganita Upsutras 3 to 9.
  - (II) Ganita Sutras 3 to 7 and Ganita Upsutras 3 to 9 are the learning

focus of this year subject of class 10. Here algebra is being approached along geometric format. The values of geometric format are provided by Ganita Sutras 8 to 11 and Ganita Upsutras 10 and 11.

- (III) Ganita Sutras 8 to 11 and Ganita Upsutras 10 and 11 are going to be the learning subject of next year class (class 11).
- (IV) Here geometry is going to be approached along the manifestation format, whose values would be supply by Ganita Sutras 12 to 16 and Ganita Upsutras 12 and 13.
- (V) Ganita Sutras 12 to 16 and Ganita Upsutras 12 and 13 are going to be the subject of learning during class 12. Here manifestations mathematics is going to be the learning focus. This focus is to be is going to be transcendence value which inherently of there own go self-referral and attain unity state.
- (VI) The learning focus here during this year is upon algebra values of Ganita Sutras 3 to 7 and Ganita Upsutras 3 to 9 permitting chase on geometric format of values supplied by Ganita Sutras 8 to 11 and Ganita Upsutras 10 and 11.
- (VII) As such the focus is to be upon the Ganita Sutras 3 to 7 and Ganita Upsutras 3 to 9 but at the same time the general idea of Ganita Sutras 8 to 11 and Ganita Upsutras 10 and 11, also is to be head.



6. As such one shall visit and revisit the text of Ganita Sutras and upsutras particularly Ganita Sutras 3 to 7 and Ganita Upsutras 3 to 9.
7. These five sutras and 7 upsutras, as a range of 12 steps is going to make and integrated range:
  - (I) Ganita Sutra 3.
  - (II) Ganita Upsutra 3.
  - (III) Ganita Sutra 4.
  - (IV) Ganita Upsutra 4.
  - (V) Ganita Sutra 5
  - (VI) Ganita Upsutra 5
  - (VII) Ganita Sutra 6
  - (VIII) Ganita Upsutra 6
  - (IX) Ganita Sutra 7
  - (X) Ganita Upsutra 7
  - (XI) Ganita Upsutra 8
  - (XII) Ganita Upsutra 9
8. One may have pause here and take note that sutras wise range covers only until Ganita Sutra 7 but upsutras it take up till upsutra 9.
9. Ganita Sutras 8 and 9 as well have further integrated domain as:
  - (I) Ganita Sutra 8
  - (II) Ganita sutra 9
  - (III) Ganita Upsutra 8
  - (IV) Ganita Sutra 10
  - (V) Ganita Upsutra 9
  - (VI) Ganita Sutra 11
  - (VII) Ganita Upsutra 11
10. These are the broad features of integrated domain of Ganita Sutras and upsutras together covering range of present year (class 10) and of the sub sequent year (class 11).



### LESSON-50

### GANITA SUTRAS 3, 4, 5, 6 AND 7

1. Ganita Sutras 3, 4, 5, 6 and 7 permit chase in sequential steps as:

- (I) Ganita Sutras 3 and 4
- (II) Ganita Sutras 5 and 6
- (III) Ganita Sutra 7.
2. Ganita Sutras 3 and 4 are of working rules ‘vertically and crosswise’ and ‘transpose and unite’.
3. Ganita Sutras 5 and 6 are about the values of ‘0’.
4. Conceptually ‘0’ is being approached as a zero value and as zero as well a structural whole number value.
5. Ganita Sutra 7 is a parallel operation of opposite values coming is to play simultaneously.
6. Ganita Upsutras 3 to 9 permit chase as :
  - (I) Ganita Upsutra 3 of the working rule of simultaneously handling of a pair of different values unit permitting their beginning point to be at one’s placement, to being the same placement and in between ranges unfolding proposnality
  - (II) Ganita Upsutra 4 is about processing range being restricted up till 7 steps only
  - (III) Ganita Upsutra 5 is about ‘oscillator format’.
  - (IV) Ganita Upsutras 6 and 7 are two phases of reach at the spatial format.
  - (V) Ganita upsutras 8 and 9 approach and value by classificating it as a paired of, and has of feature of complement.
7. These broad features of Ganita Sutras 3 to 7 and Ganita Upsutras 3 to 9 deserve to be imbibed as independent processing steps and same also deserve to be imbibed as

single integrated range of processing steps.

8. These values and features of this processing step change is to be firstly as of algebraic format for arithmetic operation, and there after same are to be glimpse and imbibe as value of algebra accepting geometric format supplied by subsequent sutras and upsutras.
9. One shall have a pause here and permit the transcendence mind to glimpse these features along their geometric format bringing us face to face with the grand design of Nature as that dimensional frame and artifices of number run parallel to each other.
10. With it the seed though of arithmetic, algebra and geometry being different aspects of the values of same mathematics domain stand planted and imprinted in the intelligence field for whose perfection the present course of learning is been under taken by the Sadhakas/students of Vedic Mathematics (as well as by the Sadhakas /students glimpsing bases base mathematics values for chase of the values of the discipline of Vedic Mathematics, Science & Technology).
11. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above feature and values of phased learning steps of Vedic Mathematics. ■

## LESSON-51 CONCEPTUAL TERM OF GANITA SUTRAS 3 TO 7

1. Ganita Sutras 3 to 7 are availing following conceptual terms:
  - (I) Udarva, triyaka and bhayam
  - (II) Pravartya and yogait
  - (III) Sunyam, samya and samuchyai
  - (IV) Anrupeyai, sunyam and anayat
  - (V) Sankalan and vyavakalan
2. These 13 technical and conceptual terms deserve to be glimpsed for imbibing of their values.
3. One shall visit time and again these terms to have complete imbibing their values and to have proper appreciation of working rule of these sutras.
4. The first reading of these terms shall be leading us to their initial value as under:
  - (I) Udarva  
Simple English rendering of *udarva* is 'upward'.  
It is vertically upward. It is of a directional format. It may be appreciated in the context 'horizontal'.  
Horizontal is along the floor surface. Vertically upward is along the wall.
  - (II) Triyaka  
Simple English rendering of *triyaka* is 'crosswise'/diagonal wise. It, in the context of in reference to vertically upwards, means along the diagonal of the wall. However independently, triyaka may be along the diagonal of a floor surface, are even along the any surface.

Udarva and Triyaka, together will takes us to a vertical plane (wall), as a vertical line (side) and as a diagonal, a setup which may also yield an 'angle'.

(III) Bhayam

Bhayam, in a literal sence is of value for simultaneous role of a pairs / dual entities.

Udarva/triyaka, bhayam takes us to 'vertically and crosswise availability.

Ganita Sutra 3 text, that way, takes us to 'vertically and crosswise' chase format, a vertical plane availability interms of its upward side and it diagonals, both being available.

(IV) Pravartya

Pravartya literal means to reverse/transpose/to have in opposite orientation

We know that a line has a pair of orientations. A line with a pair of end point (a, b), if has first orientation from 'a to b', then the second orientation would be from 'b to a'.

The step to reverse/ transpose/to reach other orientation in the context of line would means if initially setting is of orientation from a to b , then as a pravartya step the orientation to be reversed in the setting of b to a.

(V) Yogait

Yogait literal means to unite.

In the context and in reference pravartya it would mean that in the first phased, a step is to taken to reverse the orientation in second phase, step would be taken

to unite the attained reversal with the original set up.

One may have pause here and take note that taking original set up of a line as of a orientation a to b, as a first step, it would be reversed and to made b to a, then the same to be united/superimposed/made in unison with the original orientation a to b.

One may further have a pause here and take note that the superimposition as 'b to a' upon original set up 'a to b', in a way will lead to a superimposed state.

Amongst others, one of the feature of this emerging format would be the value of (-1) being superimposed upon value (+1).

A step head, it will be bringing us face to face with the setup of +1 space body getting superimposed upon -1 space body.

The difference value  $[(+1)-(-1)] = 2$ , in its generality will takes us to (n, n-2) getting superimposed upon each other.

Transcendental code values of pair of formulation (udrahv. Triyaka) as a value pair (23, 21) will bring us face to face with the continuity of organization formats of Ganita Sutras sequential order.

One may have pause here and take note that the above features help us have insight about pure and applied values of Ganita Sutras 3 and 4.

(VI) Sunyam

Formulation sunyam accepts English rendering as 'zero value reach'.

## Transcendental content

Conceptually 'zero', as a value for the valueless 'void' and as a whole number value like whole range of whole numbers, brings us face to face with the basic of values systems chase features.

Zero as a place value, in the context of ten place value system, and as 'zero', a value reseeding '1' and as a value '10' following value 9, as well as zero as index value, individually as well as indifferent frequency marking appearance as 10, 100, 1000 etc etc, bring us face to face with the initiation required for glimpsing and comprehending and imbibing sunya as sunyam.

In the context it would also be relevant to take note that formulation sunya accepts transcendental code value 18 while formulation sunyam accepts transcendental code value 27.

It would be relevant to take note that cube accepts structural components 27 and while the same synthesizes with another cube, the contribution of second cube remains only of 18 components.

Further it would also be relevant to take note that formulation sunya is availing five letters of which 3 are consonants and remaining two are vowels and the ratio (27:18) is parallel to the ratio (3:2)

The triples consonants or first ushmana letter, first anthasatha and last consonants of fourth row of verga consonants. The pairs of vowels are the first vowel and elongated third vowel.

It would be blissful to take note that each of these 5 letters specifically contributes their respective values and geometric format for the values and format of the formulation sunya.

It is in the light of this range of values and feature of formulation sunyam that we have to reach at the role of zero space in the range of dimensional spaces. In the context it would also be blissful to glimpse and imbibe the value of zero space body of hypercube 0. It would also be relevant to take note like all other space zero space as its distinct zero space content full of zero space content structure which manifests zero space domain of hypercube 0 and this domain places its role as 0 space in the role of dimensions, 0 space in the role of boundary, 0 space in the role of domain and 0 space in the role of oaring.

Also that 0 space in the role of base, format, state and natural spot from the Brahman reservoir are the values and features which deserve to be glimpsed and comprehended well by the sadhkas. From nothingness to voided to de-voided and the step to dived are the features and values whose imbibing will perfect the intelligence.

### (VII) Samya

Samya literal means 'parallel'.

The parallel values make the things samya. The concept of parallel, in reference to sunyam is one of the basic values whose comprehension shall be complete

to have full imbibing of the value of sunyam.

**(VIII) Samuchyai**

The formulation samuchyai deserve to chase in terms of sub formulation being availed by the formulation.

The sub formulation being availed by the formulation are (I) sum which mean equal, (II) ucch, means high and (III) chayeī means choiced.

Equally choiced as per the high reach, in the context of samya (parallel) and sunyam (reach of value), together will help comprehend and imbibe the values of the Ganita Sutra 5.

Equal upward parallel lines as high reach points for the pair of flow stream will help format sunyam as a value.

**(IX) Anrupeyai**

Anrupeyai literal means of the same form and frame. It brings in proportionality and sumitry.

**(X) Sunyam**

**(XI) Anayat**

Anayat means to bring/that come in/that flows out.

Ganita Sutras 5 and 6 deserve to be red together these are to be comprehend simultaneously, there shall be a one sitting glimpse for both set up of value of '0'.

One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans to transcendence through structure 0-space content to its affine state to face to face with 0 as an absolute value of oneness.

**(XII) Sankalan**

Sankalan literal means to add, to compile, to pull in, and to be in a common reservoir.

**(XIII) Vyavakalan**

Vyavakalan literal means to be of opposite orientation of above value and feature of sankalan.

The individual value and features of individual and combined formulation of Ganita Sutra 7 may well the appreciated in the context of sequential choice of letter of the formulation of this text and the individual value and format accepted by the these formulation.

**LESSON-52**

**CREATOR'S SPACE**

1. Vedic system accepts 4-space as creator's space.
2. Space, here, is approached within in terms of a dimensional frame of quadruple spatial dimensions.
3. 3-space accepts a dimensional frame of 3 linear dimensions while 4-space accepts four spatial dimensions.
4. Hypercube 4 is the representative regular body of 4-space.
5. Hypercube 4 is the fourth member of the sequence.
6. The sequence of hypercube is the sequential emergence along the creation format of 4-space.
7. The creation format of 4-space is the format feature and value of Idol of Lord Brahma.
8. Lord Brahma is the four head Lord.
9. Each head of Lord Brahma is equipped with pair of eyes.
10. Lord Brahma is sits gracefully on the lotus seat of 8 petals.

## Transcendental content

11. Within cavity of heart of Lord Brahma is the seat of transcendental Lord, Lord Shiv.
12. Lord Shiv is the five head Lord with three eyes equipped in each head.
13. Lord Brahma mediates within cavity of his own heart upon transcendental Lord Shiv.
14. With the grace of Lord Shiv, Lord Brahma multiples as ten Brahma.
15. Ten Brahmas manifests creative boundary of transcendental domain (5-space).
16. The format feature and value of idol of Lord Brahma are parallel to format feature and values of hypercube 4, a representative regular body of 4-space, with 2-space in the role of dimensions, 3-space in the role of boundary, 4-space in the role of domain, 5-space in the role of origin.
17. Transcendence take placed at the origin at the hypercube 4 and the four fold manifestation layers (1, 2, 3, 4, 5) extends into a 5 folds transcendence ranges (2, 3, 4, 5, 6) of summation values  $(2+3+4+5+6) = 20$ .
18. Value 20 permit reorganization as  $20 = 10+10$ .
19. It further accepts reorganization as  $(0+1+2+3+4) + (0 = 1+2+3+4)$  parallel to pair of transcendence ranges of zero order.
20. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the above format feature value of creator's space, its creation format parallel to idol of Lord Brahma and transcendence at the origin leading to a transcendence range of spatial order which splits into a pair of transcendence ranges of zero order.
21. One shall sit comfortably and permit the transcending mind to take note the transcendence ranges (0, 1, 2, 3, 4) and four fold manifestation layers ranges (1, 2, 3, 4) leads to equal summation value (10).
22. One may have pause here and take note that hypercube 3 as 4 folds manifestation layers (1, 2, 3, 4) leads to summation value (10).
23. Further the hypercube 2 as 4 folds layers (0, 1, 2, 3) of value 6 on transcendence leads to a transcendence ranges (0, 1, 2, 3) of summation value (10) equal to summation value of four fold manifestation layers of hypercube 3.
24. It would be blissful to take note that the in case of cube place the role of origin and while in case of square 4 space play the role of base fold.
25. It would be blissful to take note that during manifestation, domain fold, origin fold, and base fold remains in-compactified form and these sequentially unfold.
26. It would be blissful to take note that this sequential unfolding shall be having a reach from hypercube 2 to hypercube 3 without disturbing the summation value write up till a reach for the square at its base fold.
27. It would be blissful to take note that formulation Varga and Ghan, both accepts equal transcendental code value '14' because of the above unique format feature value of the creator's the space (4-space) as base fold of hypercube 2 and as origin fold of hypercube 3. ■

## 14

**SEQUENCE OF FINITE STRINGS**

This day the course focus is upon 'Sequence of finite strings'. Its four folds aspects being taken up are as follows:

57. Transition from cube as hyper cube 3 to hyper cube 4
58. Sequence of finite strings
59. Infinite sequence of infinite sequences
60. Divya Ganga Parvaha

The values being covered are to be taught as lessons numbers 53 to 56 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-53****TRANSITION FROM CUBE AS HYPERCUBE 3 TO HYPERCUBE 4**

1. Cube splits into eight sub cubes parallel to eight octants cut of 3-space.
2. The innermost corner points of all the eight sub cubes accepts common placement at centre of the cube.
3. One may have a pause here and take note that within each corner point of the cube is embedded a three dimensional frame of half dimensions and same sustained sub cube.
4. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the value and feature of above setups.
5. It would be blissful to take note that the above setup brings us face to face with the feature that centre of the cube enveloped by eight sub cubes and it is parallel to space of

the centre of cube being an enveloped within a solid boundary of eight components.

6. One may have a pause here and take note that this feature is parallel to one space accepting two components of 0 space set up, square accepting boundary four linear components, cube accepting a spatial boundary of 6 components and a step ahead, 4-space accepting solid boundary of 8 components.
7. This, as such sequentially takes us from interval to square, square to cube and cube to hypercube 4.
8. It would be blissful to comprehend and imbibe the value of reality of existence phenomenon of 4-space.
9. The reality of our space is not restrictly up till 3-space to which our mental state, oftenly gets continued as if space around us is a three space moving point manifests a track of line, moving line manifests track of a surface, moving surface manifests track of a solid and moving solid manifests track of four space.
10. Hyper cube 1 (line) is respective regular body 1-space, hyper cube 2 (square) is the respective regular body of 2-space, hyper cube (cube) is respective regular body of 3-space, hyper cube (four) is the respective regular body of 4-space.
11. One shall blissful and glimpse and imbibe the reality of 4-space and to chase four space mathematics, science and technology of along the format of hyper cube 4.
12. Spatial order been availed for chased for mathematics system of four space.

## Transcendental content

13. Four space contained be availed for chased of science of 4-space.
  14. Hypercube 4 contained be availed for the chased of technology of four space.
  15. It would be blissful to glimpse and imbibe the differences of values of 3-space mathematics and 4-space mathematics in terms of linear order of 3-space and spatial order of 4-space. ■
9. N space domain accepts measuring rod synthesized by hypercube 1 to N.
  10. This measuring rod is the measuring rod of n space domain.
  11. However the measuring rod synthesized by hyper cubes (-1, 0 ... N-2) is the measuring rod of dimension of n space.
  12. One may have pause here and take note that the sequence of finite strings is the sequence of constitution of the dimensional frames of hypercube N.
  13. One may have paused here and take note that n is finite, and the sequence of all value of n is infinite.
  14. There for sequence of finite strings would be the sequence of infinite number of finite strings.
  15. The sequence of measuring rod is the sub sequence of the sequence of the strings.
  16. It would be blissful exercise to tabulate finite strings.
  17. Further it would also be blissful to tabulate sequence of finite strings.
  18. Still further it would be blissful to tabulate finite measuring rods.
  19. Still further it would be blissful exercise to tabulate the sequence of finite measuring rods.
  20. One shall sequentially chased the structural setup of hypercube 3 (cube), fold wise in reference to finite strings. And finite measuring rods.
  21. It would be a blissful exercise to chase dimension fold of hypercube 3 in terms of its sequence of finite

### LESSON-54

#### SEQUENCE OF FINITE STRINGS

1. A string formally may be accepted a synthetic set up of finite number of hyper cubes, of same or of different orders.
2. Linear order creates hypercube 3.
3. A finite number of hypercube 3 may be taken as a synthetic setup of finite number of hyper cubes of linear order.
4. In general a finite number of hypercube N shall constituting a string of finite steps of order (N-2).
5. The other category of strings of finite steps is a synthetic step up of hypercube 1 to N, for all value of n.
6. The first category of strings may be designated as dimensions/axes/constitutions of a dimensional frame of the order of the dimensions (strings).
7. The second category of strings may be designated as measuring rod. Illustratively measuring rod constituted by hypercube (-1) will be the measure rod 1 space.
8. A synthetic setup of hypercube (-1) and hypercube (0) shall be



strings, and also in terms of sequence of its finite measuring rod.

22. Likewise one shall chased boundary fold, domain fold, and origin fold of hypercube 3 in terms of their respective finite strings and finite measuring rod.
23. In general, one shall chased different fold of hypercube  $n$  in terms of their respective finite string and finite measuring rod.
24. One shall specifically chased hypercube 1, 2, 3, 4, 5, 6 fold wise in terms of their respective finite string and finite measuring rods.



### LESSON-55

## INFINITE SEQUENCE OF INFINITE SEQUENCES

1. Linear order is a track of a moving point.
2. Infinite number of points (0 space body) permits formatting along a line (1-space domain).
3. As such, line (1-space domain) may be accepted as a sequence of infinite string of zero order.
4. The pair of such infinite sequences shall be covering exhausted the spatial order within (a pair of axis)
5. The spatial order cover, as such, as a pair of infinite sequences of zero order setup (0 space body) shall be settling a processing system for exhausted coverage of setups of infinite sequence of infinite sequences of whole range of dimensional orders.
6. One shall sit comfortable and permit the transcending mind to glimpse

and imbibe the above format feature and value.

7. It would be blissful exercise to chase infinite measuring rod synthesized by whole range of hypercube  $N$ , for  $N$  being negative, zero, or positive whole numbers.
8. It would be blissful to take note that the in terms of this infinite measuring rod, there can be parallel chase to outward expansion as well as inward expansion along hypercube format manifesting within creator's space.
9. The feature of compactification to the origin, transcendence through origin, take off at the boundary as a place value format, are the feature which deserve to be comprehended well to acquire proper insight and appropriate enlightenment of this phenomenon of spatial order setup.
10. The sequential manifestation and dissolution of different dimensional orders within creator's space and the re manifestation phenomenon, as well deserve to be comprehend well for their complete imbibing.
11. Illustratively the manifestation of cube with a cube, square with a square, hypercube 4 within a hypercube 4, in generally hyper cube  $N$  within hypercube  $n$  deserve to be chased properly.
12. The superimposition of lower dimensional order upon the higher dimensional order, and other way round as well, the superimposition of higher dimensional order upon lower dimensional order or the feature and value which also deserve to comprehended well.

## Transcendental content

13. Compactification of origin folds and their sequential unfolding, as well as the feature and value which also deserve to be comprehend well.
14. The transformation of the space contained with a dimensional frame is also a feature and value, which as well deserve to be comprehended well.
15. One may have a pause here and take note that the sequentially transformation of space contained as  $n$  space contained, for all value of  $N$ , is the phenomenon which deserve to be comprehend well and same to be fully imbibed.
16. The phenomenon of transcendental carrier, carrying the transcendental space contained (5-space contain), along the Sathapatya measuring rod of 6 space domain is the feature which as well deserve to be comprehend well. For its full appreciation.
17. Of such phenomenon happening within the chase of the sun.
18. One may have a pause here and take note that transcendental domain (5-space) is enveloped with in a creative boundary of 10 components.
19. The creative boundary transcendental domain manifests format for 10 place value system.
20. The organization of value  $10 = 4+6$  and the resultant take of the boundary and manifestation of six space of creative dimensional order take us to  $6 \times 4$  grids which accommodate all the 24 double digit number of 5 place value systems.
21. One may have a pause here and take note that the parallel feature is lively for the format of all hyper cubes.
22. One shall sit comfortable and permit the transcending mind to glimpse and imbibe these format feature values of transcendental carriers. ■

### LESSON-56 DIVYA GANGA PARVAHA

1. Divya Ganga Parvaha is the transcendental concept.
2. At the middle of Divya Ganga Parvaha is the reservoir of transcendental domain values.
3. Divya Ganga Parvaha is the flow path of transcendental eternity along the artifices of sole syllabus Om.
4. Sole syllabus Om unfolds itself as of four quarter.
5. The transcendental seat is and the middle of second and third quarter.
6. From the middle is the two fold transcendence and ascended of the dimensional orders.
7. With (5) for the transcendental domain, the transcendence and ascended there from take us to a flow upward as (5, 7, 9) and flow downward as (5, 3, 1).
8. Middle transcendental seat remains un-manifests and the four fold flow of transcendental eternity becomes of value steps from top to bottom as (9, 7, 3, and 1).
9. One may have pause here and take note that  $(9+7+3+1) = 20$  together with middle transcendental value (5) leads to value  $25=5^2$ .
10. In general the transcendental eternity with transcendental value  $N$

leads us to Divya Ganga Parvaha of value steps  $[N+4, N+2, (N), N-2, N-4]$ .

11. One may have pause here and take note that the summation value of  $(N+4, N+2, N-2, N-4)$  together with value  $N \times (N-4)$  lead to value  $n$  square.
12. As such the Divya Ganga Parvaha is transcendental phenomenon which avails spatial format (square format).
13. One shall sit comfortable and permit the transcending mind to glimpse and imbibe the format feature and value of Divya Ganga Parvaha.
14. It would be blissful exercise to sequentially chase to Divya Ganga Parvaha of middle transcendental seat value  $N = (5, 6, 7, 8, 9 \dots)$ .
15. It would be further blissful to chase Divya Ganga Parvaha for  $N = 0$ .
16. Still further, it would also be blissful to chase Divya Ganga Parvaha for  $N = (-1, -2, -3, -4, -5 \dots)$ .
17. It would be blissful to chase quadruple constituted paired pairs of odd number values, as follows  $(9, 7, 3, 1)$   $(7, 5, 1, -1)$   $(5, 3, -3, -5 \dots)$ .
18. In general one shall chase quadruple values  $2M+1, 2M-1, 2M-5, 2M-7$  for all value of  $M$ . ■

15

### **QUADRUPLES VALUES (3, 4, 5, 6)**

This day the course focus is upon 'Quadruples values (3, 4, 5, 6)'. It four folds aspects being taken up are as follows:

61. Polygons of odd and even number of sites
62. Quadruples values (3, 4, 5, 6)
63. Steps for having acceptations for Vedic Mathematics as a main stream school subjects
64. Why Vedic mathematics?

The values being covered are to be taught as lessons numbers 57 to 60 to the students of 4-space Vedic Mathematics, Science & Technology. ■

### **LESSON-57**

### **POLYGONS OF ODD AND EVEN NUMBER OF SITES**

1. Polygons can be classified as odd and even number of sites.
2. Illustratively triangle is having three sides and rectangle is having four side and such they are members of different category of polygons.
3. Triangle is the first polygon and closing a surface.
4. Triangle (polygon 3) coordinates all the three corner points at its periphery (circumference), as such it does not lead to any internal diagonal.
5. However rectangle admits a pair of internal diagonals as every corner points is coordinating only two of the three remaining corner points.
6. One may have pause here and take note that the every corner point of rectangle, for coordination with the

forth corner point is to make and internal diagonal.

7. Like that there would emerge quadruple internal diagonal but these would get formatted as pair of paired internal diagonal because of diagonal of reversed orientation getting superimposed upon each other neutralizes orientation.
8. One may have pause here and take note that the internal diagonal of rectangle pass through the centre of the rectangle.
9. However pentagon (polygon 5) which having a pair of internal diagonal from each of the 5 corner points, but all these ten internal diagonals gets formatted in such a way that they intersect and get coordinate as corner points of internal pentagon.
10. One shall sit comfortable and permit the transcending mind to glimpse and imbibe this feature that internal diagonal of pentagon constructs internal pentagon and none of the internal diagonal passes through the center of the polygon.
11. One may have pause here and take note that this goes ad-infinitum.
12. However this features no more available for hexagon.
13. The internal diagonal of hexagon construct internal hexagon but only three of six pair of internal diagonal pass through centre of hexagon while remain three pair of internal diagonal do not pass through centre of hexagon.
14. One may have pause here and take note that it is this feature of polygon 3, 4, 5, 6 which deserve to be comprehend well and same to be imbibed fully to acquire proper

insight and to attain appropriate enlightenment of printout of 3, 4, 5, 6 space bodies within 4-space on its spatial order as setups of respective order polygons.

15. It would be blissful exercise to visit and revisit above formatting feature and values as polygons.

### LESSON-58

## QUADRUPLE VALUES 3, 4, 5, AND 6

1. Let us have an eye upon quadruple values (3, 4, 5, and 6).
2. Ganita Sutras systems work out this quadruple of values 3, 4, 5, 6, for further working out value (8).
3. Polygon 3 is the first polygon and enveloping surface.
4. Polygon 4 has only a pair of internal diagonal and they pass through centre and as such the centre of polygon gets fixed in isolation.
5. Polygon 5 is the first polygon which has a flow of triple internal diagonal from each of its corner points and these internal diagonals from all the corner point of polygon 5 constructed internal polygons with its surface as surface around the surface and none of the internal diagonal passing through it.
6. With it number value 3 as triple invert diagonal from each of the five corner points of pentagon (polygon 5) becomes the first choice.
7. Polygon 6 accepts quadruple internal diagonals from each of the corner points of this polygon and half number of them intersects with another corner point internal diagonal such that they pass through centre of polygon 6.
8. This choice of the number value 4, in reference to quadruple internal diagonals emanating from the corner point bring along with the format feature value as such the half of them shall be interacting and intersecting and passing through the centre the polygon 6.
9. Choice is the head parallel to value number 5 and 6 internal diagonals intermitting respectively from corner points of polygon 7 and 8 respectively will make the choice to be of great interest to reach at the threads of the strings and further for reach at tissues of respective threads of corresponding strings of the format characteristics of hyper cubes of similar and dis-similar orders manifesting as dimensional order and measuring rod for domain folds of hyper cubes as representative regular bodies of dimensional spaces.
10. A reach from a string to thread of the string is like a reach at internal diagonals.
11. Further, a step head a reach from threads of strings to tissues of threads of strings would mean to reach at internal diagonal of respective internal polygon.
12. As per as five space and polygon 5 as concerned here no internal diagonal passes through the center and such the tissues and threads will be difficult to decipherer out but for adopting the technique of transcendence at the centre /origin.
13. This as such brings us face to face with the states of domain with

## Transcendental content

sealed origin and domains without sealed origins.

14. Even polygon, as its evident in case of polygon 6, half number of internal diagonals will be passing through the centre and as such it can be said that origin is subject to half seal and as such half transcendence is to take placed.
15. Constitutionally half transcendence means approaching spatial order in terms of its working unit ( $1/2$ ) available here because of spatial order permitting a pair of measuring unit namely (2 as 1 and 1 as 2).
16. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above format feature values of quadruple values (3, 4, 5, 6) which as a four folds manifestation layer is hypercube 5 and same as number of internal diagonal emanating from the corner point of polygon, takes us to quadruple polygons, namely (polygon 5, polygon 6, polygon 7 and polygon 8).
17. One may have pause here and take note that Ganita Sutras mathematical domain is organized to work out number values domains (3, 4, 5, 6, 8) by availing number values domains (0, 1, 2, 7, 9, 10).
18. It would be blissful exercise to visit and revisit quadruple polygon (polygon 1, polygon 2, polygon 3, polygon 4) and also to visit quadruple polygon (polygon 5, polygon 6, polygon 7, and polygon 8).
19. Simultaneously one shall also visit and revisit quadruple hypercube namely (hypercube 1, hypercube 2, hypercube 3, and hypercube 4) and

also one shall revisit (hypercube 5, hypercube 6, hypercube 7, and hypercube 8).

20. It would be blissful exercise to visit and approach dimension fold of  $n$  space as ( $N-2$  space domain) in the role of dimensions.
21. Further one shall visit and approach domain fold as a manifest space contained of corresponding dimensional space itself.



## LESSON-59 STEPS FOR HAVING ACCEPTIONS FOR VEDIC MATHEMATICS AS A MAIN STEAM SCHOOL SUBJECTS

1. Strength of Vedic Mathematics is in the values of its mathematics, as such first of all these values be specifically tabulated.
2. The acceptance of mathematics as a school subject is there in the intimate virtues parallel to the intelligence field. As such the parallels of Vedic Mathematical are processing steps and of sequential progression and richness of intelligence field be specifically drawn.
3. Teaching and learning aspects of the school subjects being of central concern of schooling, as such the learning and teaching aspect of Vedic Mathematics is to be evaluated before the same is too introduced as a subjects. And , this bring to us focus about the expected level of preparation on the point, particularly, as to;
  - (i) Class wise text books.

- (ii) Standardized evaluation system.
  - (iii) Teacher training institutes to be in place.
4. The sustains of the subject is interrelated with the continuous research. As such, appropriate attaining is to be given to ensure continues research in the Vedic Mathematical domain. ■

### LESSON-60

#### WHY VEDIC MATHEMATICS?

1. Following values of Vedic Mathematics may help appreciate the justification for introducing Vedic Mathematics as main stream Discipline of knowledge:
  - (i) It is eternal, universal, natural and parallel to Human intelligence field.
  - (ii) It is the basis base of Technologies of Existence phenomenon of manifested creation within without frames, including human frame.
  - (iii) It is the reservoir of values of sustain-ness systems of our existence with a solar universe.
2. Further, Vedic Mathematics is the unified discipline of knowledge and every branch of knowledge accepts organization format supports of Vedic Mathematical domain.
3. Still further, it settled a single integrated and synthetic measuring rod (Sathapatya measuring rod), a synthesis setup of hyper cubes 1 to 6. As the beginning as well as the end reach value of knowledge chase steps.
  4. Vedic Mathematics works out whole range of existence phenomenon of earth to sun range along Sathapatya measuring rod in terms of working steps of Ganita Sutras and Upsutras.
  5. This chased comes in within unison transcendental carriers processing steps within the rays of the sun.
  6. This gives us to reach for incitation to glimpse and imbibe the values of Vedas lively within rays of the sun.
  7. This way, we come face to face with the eternity universality, naturalness and oneness of Vedic Mathematics processing system with values and virtues of our intelligence field.
  8. This as such justified the case for introducing Vedic Mathematics as main school subject, at all level of schooling.
  9. With the introduction this subject there would appropriate exposure of young mind to creative order and with it the linear order mental stated would dissolve of their own.
  10. The present day mathematical knots and problems of their only because of insistent of the present day system to upon the linear order approach to the space.
  11. It is a matter of concern that modern thinker are insisting having evaluated justification of Vedic Mathematics system within the linear thinking module which is highly inappropriate and is also higher unjustified as Vedic system do not restrict themselves up till linear order.
  12. Infect Vedic system have their roots in their spatial order creator the space (a real four space).

## Transcendental content

13. One may have a pause here and to pause to one self as to why nineteen century minds were not successful to make any sense out of the mathematical values of Ganita Sutras and as to why Shankarcharya were successful to reach at the keys and could de-code Ganita Sutras.
14. One shall further have and take note that how it is that modern mind is not successful even to glimpse as to where the axiom and postulate have wrong that it is not becoming possible to support as to why everywhere continues function is nowhere dire able .
15. This all is happening as the insisting of modern mind a attempting reach at lamination a linear order why approaching it within a linear frame, while the answer lies in a spatial order format features and values.
16. There is genuine case for introducing Vedic Mathematics as main stream school subject at all level. However there is no DNA of fact that such introduction presumes proper pre-extending satisfaction of availability of class wise text books, and appropriately enlightened Vedic Mathematics teachers and these preconditions or easily compliable provided the policy and will to implement the policy is well in place.

### GOAL ATTAINMENT STEPS

1. Settled values.
2. Utility of values.
3. Utility versus costs.
4. To meet negativities.
5. To encourage positivities.





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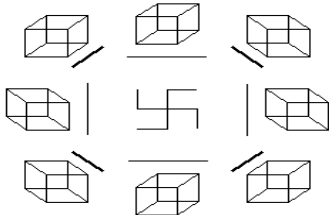
**IDOL OF LORD BRAHMA**

This day the course focus is upon ‘Idol of Lord Brahma’. It four folds aspects being taken up are as follows:

- 65. Hyper cube 1
- 66. Idol of lord Brahma
- 67. Transition from cube as hyper cube 3 to hyper cube 4
- 68. Transition from cube as hyper cube 4 to hyper cube 5

The values being covered are to be taught as lessons numbers 61 to 64 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-61  
HYPER CUBE – 4**



- 1. Hyper cube 4 is the representative regular body of 4-space.
- 2. It is of a spatial order set up.
- 3. It has solid boundary.
- 4. It has transcendental origin.
- 5. Its dimensional frame is a set up of 4 spatial dimensions.
- 6. Its solid boundary splits in to 8 components.
- 7. It is a four folds manifestation layer of 2, 3, 4 & 5 spaces contents simultaneously manifesting.
- 8. 2 space content manifests and plays here the role of dimension and 4

such dimensions constitute a dimensional frame of 4-space.

- 9. 3-space content manifests and plays here the role of boundary of 8 components.
- 10. 4-space content manifests here and plays the role of domain fold enveloped within a solid boundary of 8 components.
- 11. It has transcendental origin (5-space as origin) fold, as a seat of origin of 4 dimensional frames.
- 12. Solid boundary of 8 components accepts fixation in terms of  $8 \times 4 = 32$  coordinates within a dimensional frame of 4 dimensions of spatial order.
- 13. within 4-space domain, solids (3-space bodies)/cube/hyper cube 3) h as a degree of a freedom of motion which manifests as 13<sup>th</sup> edge for 12 edged cube.
- 14. The 13<sup>th</sup> edge of cube manifests along the fourth dimension 15. As the fourth dimension is of a spatial order, as such the 13<sup>th</sup> edge accepts spatial format.
- 16. 4 space domain is swapped by 13 edged cube, with spatial format for its 13<sup>th</sup> edge, as such 13 edged cube is also designated as a quarter of hyper cube 4.
- 17. The exhaustive coverage for 4 space domain is attainable in terms of four 13 edged cubes and it makes a structural set up of  $13 \times 4 = 52$  structural components set up.
- 18. The feature of  $8 \times 4 = 32$  coordinates fixation of the solid boundary and 13 edged cube set up within 4 space are the values features being approached in the Vedic systems as 32 external Devtas

## Transcendental content

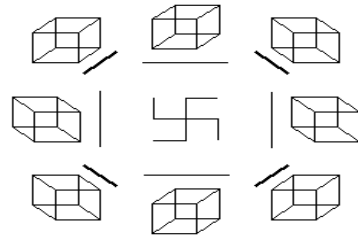
and 13 internal Devtas, as is the enlightenment of MAANSARA, scripture of Sathapatya Upved.



### LESSON – 62 IDOL OF LORD BRAHMA



1. Lord Brahma is a four head lord.
2. Each head of Lord Brahma is equipped with a pair of eyes
3. Lord Brahma sits gracefully on the lotus seat of 8 petals.
4. Within cavity of heart of Lord Brahma is the seat of Transcendental Lord Shiv.
5. Lord Shiv is 5 head lord with 3 eyes equipped in each head.
6. Lord Brahma meditates upon Lord Shiv within cavity of his own heart.
7. With the grace of transcendental lord Shiv, Lord Brahma multiplies 10 folds as 10 Brahmas within Shiv Lok.
8. These features and values of idol of Lord Brahma are parallel to the features and values of format of hyper cube 4.
9. 4 Heads of Lord Brahma are parallel to 4 dimensions of 4-space.
10. Pair of eyes in each head of Lord Brahma are parallel to a spatial dimensional order of 4-space.
11. Lotus seat of 8 petals is parallel to solid boundary of 8 components of hyper cube 4.
12. Transcendental seat of Lord Shiv within cavity of heart of Lord Brahma is parallel to transcendental origin (5-space as origin fold of hyper cube 5).
13. Multiplication of Lord Brahma as 10 Brahmas within Shiv Lok (5 space is parallel to creative boundary of 10 components (4 space) as boundary of 10 components of hyper cube 5, the representative regular body of 5-space).
14. It would be a blissful exercise to tabulate above parallel features and values of Idol of Lord Brahma and of hyper cube 4 and to chase these features and values one by one.

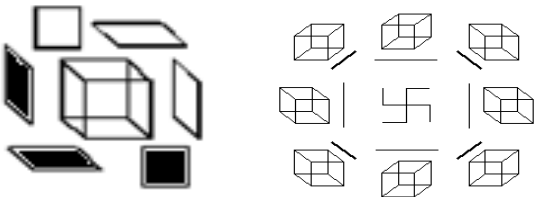


15. It would be blissful to comprehend and imbibe parallel features and values of 4 heads of idol of Lord Brahma and 4 dimensions of 4-space.
16. It would further be blissful to comprehend and imbibe the parallel features and values of a pair of eyes in each head of idol of Lord Brahma and spatial dimensional order of 4-space.
17. Still further, it would be a blissful exercise to comprehend and imbibe

the features and values of lotus seat of 8 petals and solid boundary of 8 components.

18. Still further, it would be very blissful exercise to comprehend and chase the existence of seat of transcendental Lord Shiv within cavity of heart of Lord Brahma and the transcendental origin fold of hyper cube 4 parallel to transcendental origin (5 space as origin) of Creator's space (4 space).
19. It would further be very very blissful exercise to comprehend and imbibe the phenomenon of multiplication of Lord Brahma as 10 Brahmas with the grace of transcendental Lord Shiv.
20. The enlightenment to be imbibed by the students of Vedic Mathematics Science & Technology is that it would be the privilege to attain transcendental grace by meditating within cavity of one's own heart.
21. Transcendental domain provides consciousness format for manifestation of creative intelligence

■  
**LESSON – 63**  
**TRANSITION FROM CUBE**  
**AS HYPER CUBE 3 TO**  
**HYPER CUBE 4**



1. Centre of the cube is the seat of origin of 3-space.

2. 4-space plays the role of origin of 3-space.
3. Hyper cube 4 manifests in its zero value set up at centre of the cube and same behaves as like any other point of the cube though centre, otherwise is of a dual status firstly being like any other point of the cube and secondly as that it is unique from all other points of the cube being equally placed from all the corner points of the cube.
4. Cube collapses at centre of the cube.
5. Centre of the cube is the seat of inner most corner points of all the eight folds sub cubes of the cube.
6. It is this eight folds imposition of sub cubes with centre as the seat of inner most corner points of the sub cubes makes centre being enveloped by a solid boundary of 8 components.
7. It makes of a format of hyper cube 4 with its domain fold being enveloped within a solid boundary of 8 components.
8. It would be a blissful exercise to chase centre of the cube parallel to origin of 3-space.
9. It would further be a blissful exercise to chase centre of the cube as of a dual status firstly like that of any other point of the cube and secondly as of being unique being equally distant from all the corner points of the cube.
10. It would further be a blissful exercise to chase split of a cube in to 8 sub cubes parallel to 8 octants split of 3 space.
11. Still further it would be a blissful exercise to comprehend and imbibe the feature and value of centre of

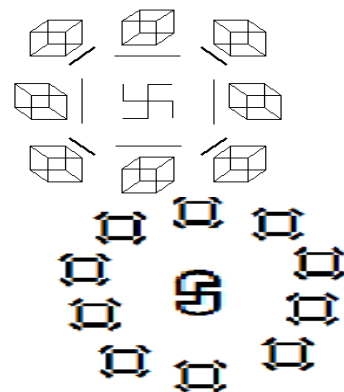
## Transcendental content

the cube as a seat of placement by super imposition of inner most corner points of sub cubes at centre of the cube.

12. Still further it would be very blissful exercise to comprehend and imbibe centre as a seat of placement of 4-space domain enveloped within a solid boundary of 8 components.
13. One shall evaluate oneself by expressing one's comprehension of the features and values of centre of cube.
  - a) Centre of cube being of a placement seat within 4-space.
  - b) 8 sub cubes are of the format of solid boundary of 8 components of hyper cube 4.
14. One shall further express oneself fully about 4-space as the origin fold of hyper cube 3.
15. One shall further attempt an essay as that 4-space plays the role of origin of 3-space.
16. It would be very blissful exercise to chase 'cube' as hyper cube 3.
17. Along four folds format of idol of lord Brahma with focus upon 1-space in the role of dimension while 2 space plays the role of dimension of hyper cube 4; 2 space in the role of boundary of cube while 3 space plays the role of boundary of hyper cube 4; 3 space plays the role of domain fold of hyper cube 3 while 4 space plays the role of domain fold of hyper cube 4 & 4 space plays the role of origin of hyper cube 3 while 5 space plays the role of origin of hyper cube 4.
18. Further one shall also chase cube in static and dynamic state within 4 space domain of hyper cube 4.

19. Still further it would be a very blissful exercise to chase strip off of spatial boundary and it playing the role of spatial dimension of 4-space.
20. It would further be very blissful exercise to comprehend and imbibe 4-space in the role of origin of 3-space.
21. Still further it also would be a very blissful exercise to comprehend and imbibe 4 space as origin of 3-space of 3 dimensional frame in the context of 3 dimensional frames imbedded in the corner points of cube.
22. Still further it would be very blissful exercise to comprehend and imbibe centre of the cube within 4 space as super imposed upon centre of hyper cube 4 which is a seat of 5-space.

## LESSON -64 TRANSITION FROM HYPER CUBE 4 TO HYPER CUBE 5



1. Hyper cube 4 is the representative regular body of 4 space while hyper cube 5 is the representative regular body of 5-space.

2. Hyper cube 4 is a four folds manifestation layer ( 2, 3, 4, 5)/ 2 space as dimension fold, 3 space as boundary fold, 4 space as domain fold and 5 space as origin fold.
3. Hyper cube 5 as well is a four folds manifestation layer ( 3, 4, 5, 6)/ 3 space as dimension fold, 4space as boundary fold, 5 space as domain fold and 6 space as origin fold.
4. Transcendence at origin folds of hyper cube 4 (5-space in the role of origin) takes to 4-space in the role of boundary fold of hyper cube 5.
5. This brings to focus the transition and transformation in the role of 4-space from 4 space as origin fold of hyper cube 4 to the role of 4 space as boundary fold of hyper cube 5.
6. The strip off of solid boundary from the domain fold of hyper cube 4 plays the role of solid dimensional order of 5 space and manifests 5 space domain.
7. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the features and values of this transition and transformation phenomenon by way of transcendence at the origin fold of hyper cube 4 and simultaneous phenomenon of strip of solid boundary of hyper cube 4
8. It would be blissful to comprehend and imbibe the transcendence at origin fold of hyper cube 4 leading to manifestation of creative boundary ( 4 space as boundary ) of hyper cube 5 and simultaneously the strip off of the solid boundary of hyper cube 4 manifesting domain fold of hyper cube 5 .
9. Boundary of hyper cube 4 manifesting as solid dimensional frame and creating 5 space as domain, and on the other hand transcendence at the origin fold of hyper cube 4 manifesting as creative boundary of hyper cube 5 are the features which deserve to be comprehended well and same to be appreciated fully for complete imbibing of features and values of this phenomenon to acquire deep insight and appropriate phenomenon of transition and transformation from the format of hyper cube 4 to format of hyper cube 5.
10. One shall sit comfortably and permit the transcending mind to glimpse the transition phenomenon from the format of hyper cube 4 to the format of hyper cube 5 by having step by step chase for fold wise transition.
11. One may start with the boundary fold of hyper cube 4 and to reach at the manifestation of solid order dimensional frame of hyper cube 5 and manifested creation of 5 space domain within solid order dimensional frame.
12. At next step one shall chase transcendence at origin fold of hyper cube 4 and its reach as 10 fold manifested creation of 4 spaces in the role of boundary of hyper cube 5.



**17**

**VEDIC DOMAIN**

This day the course focus is upon 'Vedic Domain'. It four folds aspects being taken up are as follows:

69. Vedic domain
70. Organization of 4 Vedas
71. Formatted values reservoirs
72. Idol of Lord Brahma, Lord Shiv and Lord Vishnu

The values being covered are to be taught as lessons numbers 65 to 68 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-65  
VEDIC DOMAIN**

1. Vedic knowledge and his systems, as has reached us in the form of Vedic literature is being referred as 'Vedic domain'.
2. The inner evidence of Vedic domain brings us face to face with its following features:
  - i. Originally there was one, wholesome Ved, as a single discipline of knowledge.
  - ii. This whole some Ved was organized as 4 Vedas, namely, Rig Ved, Yajur Ved, Sam Ved and Athrav Ved by Braham Rashi Ved Vyash.
  - iii. This organization had taken place in Dwapur Yuga.
  - iv. Further internal evidence of Vedic domain is that Braham Rashi Ved Vyash organizes whole some Ved into 4 Vedas, 28 times over the sequential range of 28 Dwapur Yugas.

3. One may have a pause here and take note that Sat-Yuga, Treat-Yuga, Dwapur-Yuga and kal-Yuga constitute a Maha-Yuga. The cyclic order of creation and its dissolution is of the range of 28 Maha-Yugas.
4. Of these, 28 Maha-Yugas, half of them, namely 14 Maha-Yugas period is 'one Kalap' period.
5. As such, 28 Maha Yugas period takes us to the range of 'two Kalaps' periods.
6. One may further have a pause here and take note that this organization feature, as such brings us face to face with the need of re-organization of whole range of knowledge as a single discipline to be over 28 similar steps of organization of whole some knowledge as of values of 4 Vedas namely of, Rig Ved, Yajur Ved, Sam Ved and Athrav Ved.

■

**LESSON-66  
ORGANIZATION AS 4 VEDAS**

1. Organization of whole some range as 4 Vedas, namely Rig Ved, Yajur Ved, Sam Ved and Athrav Ved becomes as organization of 21 branches of Rig Ved, 101 Yajur Ved, 1000 branches of Samved and 9 branches of Athrav Ved.
2. Each of these 1131 branches  $(21+101+1000+9) = (1131)$  as distinct Samhita, distinct Brahmana, distinct Aryank and distinct Upanishad.
3. This makes a range of  $(1131 \times 4) = 4524$  scriptures.

4. Upanishad, Aryank and Brahmana help reach at virtues of the values of the Samhita.
5. Further Samhita has six Upanagas namely Shiksha, Vyakran, Nighntu, Chand, Jyotish and Kalp.
6. Values of Samhita are reached in terms of Upanagas.
7. Virtues of the values of Samhita, Brahmana, Aryank are reached in terms of Upanishad.
8. Virtues of Upanishads make Braham sutras.
9. Virtue of Upanishads and Braham sutras makes Sri Mad Bhagwat Geeta.
10. Upanishads, Braham sutras and Geeta make Vandanta-tri.
11. Epices, Purans and Samtris make the Essence of Treata Yuga and Dwapur Yuga.
12. With it, the end reach comes to be as Adi Valmike Ramayna and Ur-Mahabharatam of Braham Rashi Ved Vyash.
13. As such, Sadhakas fulfilled with intensity of urge to know and to reach at the Vedic scripture source references shall glimpse and imbibe the values lively within available Vedic literature constituting present state of Vedic domain, and to acquire proper insight and to attain appropriate enlightenment of whole some Ved as the ultimate Vedic domain.
14. One may have a pause here and take note that ultimate Vedic domain is lively with the range of the sun and Sadhakas fulfilled with intensity of urge to know and to explore the same shall glimpse and imbibe the virtue domain of the orb of the sun

being the origin source reservoir of the values lively within rays of the sun.

### LESSON-67 FORMATTED VALUES RESERVOIRS

1. Vedic systems have reached at formatted values reservoirs.
2. One set of formatted values reservoirs are the Idols of Tri-Murti.
3. The other set of formatted values reservoirs are the manifestation creations within frames.
4. Existence phenomenon on the whole as a single phenomenon, and the different self contained aspects their of, are also being chased by the Vedic systems as formatted values reservoirs.
5. Vedic systems chase formatted values reservoirs in terms of Sathapatya measuring rod their of.
6. Real 4-space is accepted as Creator's space with Lord Brahma as Over Lord.
7. Idol of Lord Brahma is the formatted values reservoirs of real 4-space.
8. The Over Lord of real 5-space is the transcendental Lord Shiv and Idol of Lord Shiv is formatted values reservoirs of real 5-space.
9. Lord Vishnu is the Over Lord of real 6-space and Idol of Lord Shiv is formatted values reservoir of real 6-space.
10. Lord Braham, Lord Shiv and Lord Vishnu are together 'Tri-Murti'.
11. Tri-Loki and Tri-Murti together make a formatted values reservoir of transcendental domain (5-space as

## Transcendental content

- domain) within creator's space (4-space).
12. It is this feature of transcendence permissible within Creator's Space which provides us desired insight needed for glimpsing existence phenomenon as manifested domain.
  13. Whole range of existence phenomenon as manifested domains may it be human beings, animals, trees, earth or sun itself, that way become the formatted values reservoirs and this, as such, makes Vedic systems being very rich in its reach.
  14. As such, Sadhakas fulfilled with intensity of urge to know and to explore further shall reach at these formatted values reservoirs of features as of preserved in the available Vedic literature with us.
  15. Sadhakas further fulfilled with intensity of urge to know and to explore further shall permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse the single whole some Ved as the ultimate source reservoir of values and virtues there of.
  16. This shall be bringing us face to face with the Vedas in printed on the rays of the sun.
  17. It shall be further bringing us face to face with the orb of the sun as formatted values reservoir.
  18. It would be a blissful exercise to chase orb of the sun as values reservoir formatted within creator's space (real 4-space).
  19. It would be a blissful exercise to glimpse and to imbibe the transcendence phenomenon of transcendence through orb of the sun.
  20. It shall be bringing us face to face with the self-referral transcendence format reach of the transcendence through orb of the sun.
  21. Sadhakas shall initiate themselves for sequential chase of orb of the sun within Creator's Space, firstly taking to transcendental base and there-after, the reach is to be at self-referral format of the transcendental base itself of creator's space.
  22. For it, Sadhakas shall sequentially glimpse and imbibe the values of the features of Idols of Lord Brahma, lord Shiv and Lord Vishnu, in that sequence and order.

### LESSON-68

### IDOL OF LORD BRAHMA, LORD SHIV AND LORD VISHNU

1. For enlightenment about values of features of Idol of Lord Brahma, one shall reach at the relevant preservation within Upanishads.
2. It would be a blissful exercise to tabulate these Upanishads preservation of features and values of Idol of Lord Brahma.
3. It would further be a blissful to enlist and to tabulate the features and values of Lord Brahma being reach at and being referred to in different Vedic scripture and Vedic scripture base to knowledge.
4. Likewise, one shall reach at features and values of Idol of Lord Shiv and Lord Vishnu preserved available in Vedic literature.



5. Lord Brahma is a 4 head Lord while Lord Shiv is a 5 head Lord.
6. Each head of Lord Brahma has a pair of eyes while each head of Lord Shiv has triple eyes.
7. Lord Brahma has a lotus seat of eight petals while Lord Shiv has ten beautiful long arms.
8. Within cavity of heart of Lord Brahma is the seat of Lord Shiv, while within the cavity of heart of Lord Shiv is the seat of Lord Vishnu.
9. One may have a pause here and take note that these features of Idol of Lord Brahma and Lord Shiv brings us face to face with parallel features of formats of hyper cubes 4 and 5 respectively.
10. It would be a blissful exercise to reach at parallel table of features of Idol of Lord Brahma, and that of hyper cube 4.
11. And further, one shall reach at the table of parallel feature of Idol of Lord Shiv, and of hyper cube 5.
12. It also would be a blissful exercise to have a parallel transition from Idol of Lord Brahma to Idol of Lord Shiv and further, from format of hyper cube 4 to format of hyper cube 5.
13. This will help us acquire insight and enlightenment of transition from the bodies of 4-space to body of 5-space.
14. In the light, it would further be a blissful exercise to reach at format features and values of Idol of Lord Vishnu.
15. It would be a sequential reach from hyper cube 4 to hyper cube 5, and further from hyper cube 5 to hyper cube 6.
16. Hyper cube 4 format is of a 4 folds manifestation layer (2, 3, 4, 5) / (2-space as dimension, 3-space as boundary, 4-space as domain, 5-space as origin).
17. Hyper cube 5 as well is a 4 folds manifestation layer (3, 4, 5, 6) / (3-space as dimension, 4-space as boundary, 5-space as domain, 6-space as origin).
18. A step ahead, hyper cube 6 format is of a 4 folds manifestation layer (4, 5, 6, 7) / (4-space as dimension, 5-space as boundary, 6-space as domain and 7-space as origin).
19. With availability of these 3 consecutive members of sequence of hyper cubes one can reach at the all another member of this sequence.
20. Of these, hyper cube 3 and hyper cube 8 as such, will cause the extension initiation on both sides of hyper cubes 4, 5, 6 and 7.
21. With this the whole range of hyper cubes, as such shall be providing us infinite number of formatted values domains. ■

18

**TRANSCENDENCE WITHIN  
FORMAT VALUES DOMAIN**

This day the course focus is upon 'Transcendence within format values domain'. It four folds aspects being taken up are as follows:

73. Sathapatya measuring rod
74. Transcendence within format values domain
75. To transcendence, glimpse and to chase
76. Hyper cube 3 format.

The values being covered are to be taught as lessons numbers 69 to 72 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-69  
SATHAPATYA MEASURING ROD**

1. The synthetic set up of hyper cubes 1 to 6 is designated as Sathapatya measuring rod.
2. This measuring rod is presided by Lord Vishnu, over Lord of 6-space.
3. The measure of this measuring rod is presided by Lord Brahma, the over Lord of real 4-space.
4. Vasuki Nag is the formatted values domain of Sathapatya measuring rod.
5. The success of Vedic systems lies in the chase along this formatted values domain.
6. Virtues of, this chase is that, the Existence Phenomenon in its entirety comes within this chase.
7. The simultaneous chase of 'Aag' and 'Nag' gives superiority to Vedic systems.
8. One may have a pause here and take note that pair of formulation 'Aag and Nag' respectively accept pair of transcendental code value '6, 13'.
9. One may have a pause here and take note that values pair (6, 13) are the formatted values domain interrelated parallel to the format feature of 6-space domain.
10. One may have a pause here and take note that values pair (6, 13) accepts re-organization as (6,  $6 \times 2 + 1$ ) format of 6-space being of 13 geometries range and parallel to it are 13 versions of hyper cube 4.
11. Further that, 13 geometries range of 6-space accepts re-organization as  $13 = (6+7)$ .
12. This further leads to organization as (6+1+6).
13. Still further it leads to the range (-6, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6).
14. It also accepts organization of reversal orientation, as of features (6, 5, 4, 3, 2, 1, 0, -1, -2, -3, -4, -5, -6).
15. This as such classify 13 geometries of 6-space as 6 negative geometries and 7 non-negative geometries
16. It further leads to further classify as 6 positive geometries and 7 non positive geometries
17. Still further, the first letter of above pair of formulation 'Aag and Nag' accepts transcendental code value pairs (1, 8).
18. One may have a pause here and take note that numbers values pair (1, 8) accepts re-organization ( $1^3, 2^3$ ).
19. It would be a blissful to take note that pair of value ( $1^3, 2^3$ ) are the consecutive member of cube sequence.

20. Still further, it would be blissful to take note that formulation 'Ek / One' accepts transcendental code value 8.
21. Still further, it would be a blissful to take note that Triya / Three as well, accept transcendental code value 8.
22. With it, the domain fold / Third fold become the basic formatted values domain of Vedic systems.
23. Here it would be relevant to take note that NVF (DOMAIN) = NVF (LIGHT) = NVF (THREE).
24. Still further, it would be very blissful to take note that TCV (AKASH) / (Space) = 8 = TCV (EK) = TCV (TRIYA).
25. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe values of these format feature of Vedic system chase along formatted value domains as domain folds of 4 folds manifestation layer of hyper cubes 1 to 6 synthesizing as a Sathapatya measuring rod.

### LESSON-70

#### TRANSCENDENCE WITHIN FORMAT VALUES DOMAIN

1. Formatted values domain is a fully structured domain.
2. It is structured as per its manifestation as domain fold of relevant hyper cube set up.
3. Domain fold of hyper cube accepts origin.
4. Further it accepts frame firstly in terms of its dimensional frame, and secondly in terms of its geometric envelop of the boundary fold.
5. It in a way, is a space content lump manifestation as a domain fold with origin within domain and domain itself being framed in terms of dimensional frame and further in terms of geometric envelop of boundary fold.
6. All these features of formatted values domain result into the structure of the domain.
7. So structured domain, as a domain fold, permits transcendence within it.
8. The transcendence within domain fold takes up-till its dimension fold.
9. Further as that, dimension fold itself being a structure domain, as such, transcendence takes from dimension to dimension of dimension.
10. One may have a pause here and take note that such transcendence within N domain takes firstly up-till N-2 domain in the role of dimension and then at next stage it takes up-till N-4 domain in the role of dimension of dimension.
11. That way (N, N-2, N-4) makes a transcendence format for N domain.
12. For N = (4, 5, 6), the transcendence format comes to be (4, 2, 0), (5, 3, 1) and (6, 4, 2).
13. One may have a pause here and take note that in case of 4-space domain, the reach value up-till its dimension of dimension is '0'.
14. As such, this reach is up-till origin of the domain fold.
15. However in case of 5-space domain the reach value of dimension of dimension is '1' and a step head, the

## Transcendental content

values is to be '0' and '-1', but this reversal would be because of seal at the origin.

16. One may further have a pause here and take note that one's the seal melts /dissolves and domain becomes of unsealed origin, it shall be taking transcendence within dimension, for its dimension of dimension state.
17. The dimension of dimension state for the dimension (N-2) takes to (N-6) as dimension of dimension value for (N-2 domain).
18. It is this of transcendence within formatted value domain which deserves to be comprehended well for its complete imbibing and through appreciation.
19. This appreciation will provides us proper inside and appropriate enlightenment of the transcendence phenomenon within domain, which further takes us to the transcendence phenomenon within dimension fold itself as well.
20. It is this feature of simultaneous transcendence within domain fold and also within dimension fold, which deserves to be chased for their dimension of dimension level respectively.
21. Taking dimension fold, boundary fold, domain fold and origin fold, all being formatted values domains permitting transcendence within them and same as result will takes us up-till (N-6, N-5, N-4, N-3) manifestation layer for (N-2, N-1, N, N+1) manifestation layer.
22. It is this reach which is going to be a reach of structure of the domain

fold attainable through transcendence.

### LESSON-71 TO TRANSCENDENCE, GLIMPSE AND TO CHASE

1. The transcendence within manifestation layer (N-2, N-1, N, N+1) for  $N = 4, 5$  and  $6$  respectively.
2. In particular one shall with face to face with it the transcendence phenomenon of layer (N -2, N-1, N, N+1) =  $N = 5$ .
3. It would be a reach for the manifestation layer (3, 4, 5, 6) up-till manifestation layer (1, 2, 3, 4).
4. It is going to be a reach for hyper cube 5 format up-till hyper cube 3 format.

### LESSON-72 HYPER CUBE 3 FORMAT

1. Hyper cube 3 format is of 4 folds manifestation layer (1, 2, 3, 4).
2. 4 folds manifestation layer (1, 2, 3, 4) accepts re-organization as a pair of set ups (1, 3) and (2, 4) being of (dimension, domain) formats.
3. This as such, brings us face to face with the domain fold of hyper cube 3 permitting a pair of 3 dimensional frames of linear order and of spatial order.
4. It is simultaneously availability of linear order and of spatial order within formatted domain fold of 3-space with creative origin (4-space is the origin of 3-space), which deserves to be comprehended well

for being face to face with the structure of 3-space domain as formatted value domain of 3-space content.

5. A step ahead, one shall be reaching at the structure of formatted values domain of 4-space.
6. A step ahead, one shall be reaching at structure of formatted value domain of 5-space content.
7. These structure beings because of the features and values of space contents, as such, one shall visit and revisit the 3, 4, 5 and 6 space content.
8. One may have a pause here and take note that the structure phenomenon ultimately becomes a dimensional spaces contents manifesting as domain fold of the representative regular body of respective dimensional spaces.



19

**PAIRED 2-SPACE & 3-SPACE**

This day the course focus is upon 'Paired 2-space & 3-space'. Its four folds aspects being taken up are as follows:

- 125. Opening words
- 126. (Points, lines, surfaces ...)
- 127. Paired 2-space and 3-space
- 128. Creator's space (real 4-space)

The values being covered are to be taught as lessons numbers 73 to 76 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-73  
OPENING WORDS**

- 1. Counts accept gaps.
- 2. Gaps, counts are of different generic counts.
- 3. Counts, as points, have in between 'gaps'.
- 4. Gaps in between points accept counts but of different generic that of points.
- 5. Pair of points as a gap which accepts a count different that of points.
- 6. Pair of points lead to a pair of counts.
- 7. Gaps in between pair of points accept count 'one'.
- 8. Pairs of counts of pair of point may accept expression as zero power of value.
- 9. Gap in between the pair of points accepts a count which to accepts expression as 'one' power of a value.
- 10. One may have a pause here and to take note that in the above illustrative case we are face to face with two different generic counts

namely (I) zero power count and (II) one power count.

- 11. Pair of lines accepts gap of different generic.
- 12. Pair of count of a pair of lines as 'one' power generic counts lead to surface gap generic count for the gap in between.
- 13. This way, we have generated a set of triple generic counts.
- 14. Triple values here 'triple generic counts values' will help generate a sequence of generics the generics counts.



**LESSON-74  
(POINTS, LINES, SURFACES ...)**

- 15. Geometry entities (points, lines, surfaces ...) are the representative bodies of a sequence of dimensional spaces (0-space, 1-space, 2-space ...).
- 16. This sequence of dimensioning spaces accepts dimensional frames of respective numbers of dimensions (zero numbers of dimensions, single dimension, pair of dimensions, triple dimensions ...).
- 17. This further needs to the sequence of respective dimensional orders (negative spatial dimensional order, negative linear dimensional order, zero dimensional order, linear dimensional order, spatial dimensional order, solid dimensional order, creative dimensional order, transcendental dimensional order ...).
- 18. One may have a pause here and to take note that points (zero space

- bodies) generic count as zero power generic bring us face to face with a dimensional frame of zero numbers of dimensional of zero space accepting negative spatial order.
19. A step ahead, one may further have a pause here and to take note that lines (one space bodies) generic count as 'one' power generic bring us face to face with a dimensional frame of one dimension of 1-space accepting negative linear dimensional order.
  20. A step further ahead, one may have a pause here as well, and to take note that surfaces (two space bodies) generic count as 'two' power generic bring us face to face with a dimensional frame of two dimensions of 2-space accepting zero dimensional order.
  21. A step further ahead, one may have a pause here as well, and to take note that solids (three space bodies) generic count as three power generic bring us face to face with a dimensional frame of three dimensions of 3-space accepting linear dimensional order.
  22. And like that, there would be a sequential unfolding of inter-related feature of counts generic, as a sequence.
  23. Pairing of generics, points in gaps lead to a pair of generic counts.
  24. This permits pairing of consecutive generic counts.
  25. It permits their pairing.
  26. It makes paired consecutive generic counts.
  27. Points as zero space body constitute dimensional order of 2-space.
  28. Lines has a one space body constitute dimensional order of 3-space.
  29. The pairing of this pair of generic counts of points and gaps, as points and lines result into pairing of zero order and linear order.
  30. Simultaneously, it results into pairing of zero order 2-space and linear order 3-space.
  31. This further result into pairing of square and cube being the representative regular bodies of 2-space and 3-space.
- 

### LESSON-75

#### PAIRED 2-SPACE AND 3-SPACE

32. Paired 2-space and 3-space lead to pairing of 2-space content and 3-space content.
33. This further, leads to pairing of 2-space content playing the role of boundary fold and 3-space content playing the role of domain fold of hyper cube 3 (cube).
34. One may have a pause here and to take note that this brings us face to face with simultaneously manifestation of square and cube.
35. One may further have a pause here and to take note that  $NVF$  (square) +  $NVF$  (cube) =  $NVF$  (mathematics).
36. This mathematics which is missed by modern mathematicians.
37. It is this mathematics which is of period prior to modern mathematics period.

38. This prior period mathematics, on its chase sequentially takes us to ancient wisdom source reservoir of Vedic enlightenment to properly glimpse and imbibe Ancient Wisdom Mathematics, we have to revisit basis base Vedic Mathematics of Sathapatya measuring rod format of synthetic set up of hyper cubes 1 to 6 sequentially bridging the gaps by providing formats for sequential generic counts, simultaneously taking care of smoothness and the rival ability at boundary fold.



**LESSON-76**  
**CREATOR'S SPACE**  
**(REAL 4-SPACE)**

39. Topologistics attempt to approach real 4-space in terms of their many fold theory is responsible for reality of 4-space Euclidian them.

40. The inherent restriction to which their many fold theory is subjecting them are reflecting in them their proclaimed expression on the following line:

(I) We live in four dimensional space-time universe.

(II) The central focus is upon geometric surfaces and generalization of them.

(III) Sphere is regarded as a two dimensional surfaces and a not a solid ball.

(IV) Many fold is a generalization of the motion of a surface to any number of dimensions.

(V) Simple kinds of many folds are one dimensional one's, which are just curve with the real line 'R' is a special case.

(VI) Two dimensional many folds are surfaces (with the flat two dimensional plane) are square a special case.

(VII) Diagrams in book dealing with high dimensional many folds are also 'Ment' for expert and require great care in the interpretation.

(VIII) The difficulty is to interrupt a projection of four dimensional object having 8 faces each of which is a cube and all are of the same size.

(IX) There are no uses. What so ever in trying to appreciate object of dimensional Euclidean space.

(X) In a three dimensional space there are just 5 regular polyhedra.

(XI) It turns out that there are just 6 regular four dimensional poly-top.

(XII) For any number of dimensions greater than four, there are only 3 regular poly-tops.

(XIII) Why should think suddenly become simpler (and constant) beyond for dimensions?

(XIV) 2-sphere is a surface of 3 dimensional solid bars.

(XV) N sphere is a surface of N (N+1) dimensional solid bar.



- (XVI) The abstract definition of  $n$  dimensional many fold is that it is an object with the property that if you look small part of this, what you see very much like ordinary (?)  $n$  dimensional Euclidean space ( $\mathbb{R}^n$ ).
- (XVII) A many folds for which it is possible to develop a global theory of differentiation is called as a smooth (are sometimes a differentiable many fold).
- (XVIII) 7-sphere can be given 28 distinct differentiation structures and other high dimensional sphere as well can be given more than one differentiation structure.
- (XIX) Golden era of many fold topologies is the studies of five are more dimensions and same brought to focus upon four dimensions many fold.
- (XX) Homotopy helped to obtained, a fairly systematic classification of all many folds of dimensional of greater than four.
- (XXI) Poincare conjecture is closed surface, any closed loop shrinks to a point. This has been proves to be valid for all dimension from 5 onwards.
- (XXII) The usual differentiation structure on are fold  $\mathbb{R}^4$  is one just of infinitely many that may be given to this many fold.
- (XXIII) New Era is their when geometry and physics gets inter-wine.
- (XXIV) And the summitry binds to discipline of (geometry and physics).
-

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**SEQUENTIAL DIMENSIONAL SYNTHESIS**

This day the course focus is upon ‘Sequential dimensional synthesis’. It four folds aspects being taken up are as follows:

- 129. Along Sathapatya measuring rod format
- 130. Opening words
- 131. Synthesis of dimensions of same order
- 132. Sequential dimensional synthesis value for different dimensional order

The values being covered are to be taught as lessons numbers 77 to 80 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-77  
ALONG SATHAPATYA  
MEASURING  
ROD FORMAT**

- 41. The difficulty of above are inherently in their because of the comprehension of reality of existence phenomenon and resultant concept of many fold and its applications.
- 42. Vedic Mathematical systems comprehension base and conceptually format is that of a Sathapatya measuring rod as the processing format for the manifestation reality of dimensional spaces and its bodies within creator’s space.
- 43. The manifestation within creator’s space even for the creation format itself format is the spatial order

value which eludes ‘many fold’ format.

- 44. Spatial order structure a four dimensional frame of quadruple spatial dimensions and within this dimensional frame manifests domain fold at whose origin there may happen a transcendence.
- 45. This comprehension of :
  - (I) Manifestation of domain within a dimensional frame of spatial order,
  - (II) Domain accepts a origin of a higher dimensional order, and
  - (III) Transcendence takes place at the origin for a reach up till the base fold.
- 46. These features of manifestation and transcendence there from within creator’s space, on their chase will help us transcend through conceptual format of many fold.



**LESSON-78  
OPENING WORDS**

- 1. Many fold is restrictive in its concept and format vish-a-vish the dimensional order.
- 2. Dimensional order creates structure manifesting because of synthesis phenomenon of dimensions.
- 3. Dimensional synthesis mathematics is at the base of manifested creation within creator’s space (4-space).
- 4. The creation format of creator’s space is a 4 folds manifestation layer.
- 5. The four folds are of the feature of the creation as dimension fold,

boundary fold, domain fold and origin fold.

6. These four folds are there because of simultaneous manifestation of contents of four constitute dimensional spaces and their sequentially arranged roles as of dimension, boundary, domain and origin.
7. These features of manifested creation has a creation format and also has of manifestation along this format, including that of four space body (hyper cube 4) is the feature which plays the central role in the existence phenomenon of happening and un-happening of dimensional spaces and existence phenomenon within these dimensional spaces.

(III) However the synthesis of pair of dimensions shall be requiring a glue value equal to dimension of dimension which comes to be  $(n-2)$ .

(IV) And there by, the dimensional synthesis value for a pair of dimension of order  $n$  will come to be  $(n+n-n+2) = n+2$ .

(V) In case of a synthesis of triple dimension of same order, the synthesis value will come to be equal to synthesis value of a pair of dimensions minus the synthesis glue value for third dimension with first two dimensions that is  $(n-2)$  and their by the synthesis value of triple dimensions of order  $n$  comes to be  $(n+2) + n - 2(n-2) = 6$ .



**LESSON-79**  
**SYNTHESIS OF DIMENSIONS**  
**OF SAME ORDER**

8. Zero number of dimensions amounts to absence of dimensions.
9. It simply means that dimension have yet not come into play.
10. As such it is a zero value state.
11. When single dimension comes into play it gives rise to a value equal to the dimensional order (of the dimension).
12. Pair of dimensions of same order lead to a value:
  - (I) As a first step, value of first dimension which will be equal to its order  $(n)$ .
  - (II) At second step, second dimensional as well will be contributed value  $(n)$ .

13. One may have a pause here and to take note that the dimensional synthesis value of triple dimensions of order  $n$ , for all values of  $n$  comes to be a constant value '6', which is a perfect number.

14. The synthesis value of quadruples dimensions of order  $n$  will come to be  $[6+n-3(n-2)] = 12-2n$ .

15. Let us have a pause here and take note that the grand summation value of single double triple and quadruple dimension of same order comes to be:  
 $[(n+n-2+6) + (12-2n)] = 20$ .

16. It is this feature which makes synthesis up till quadruple dimension being of constant value for all dimensional order.



**LESSON-80**  
**SEQUENTIAL DIMENSIONAL**  
**SYNTHESIS VALUES FOR**  
**DIFFERENT DIMENSIONAL**  
**ORDERS**

17. Dimensional order one (linear dimensional order leads to a sequence of dimensional synthesis values for single, double, triple, quadruple ...) number of dimension being (1, 3, 6, 10, 15, 21, 28 ...).
18. This sequence of value for spatial dimensional order will be : (2, 4, 6, 8, 10, 12, 14 ...).
19. In case of solid order synthesis value sequence comes to be: (3, 5, 6, 6, 5, 3, 0 ...).
20. One may have a pause here and to take note that the sequential difference of synthesis values of linear order sequence and spatial order sequence as above , comes to be: (-1, -1, 0, 2, 5, 9, 14, 20, 27 ...).
21. It would be blissful to take note that if above differences value sequence-values are sequentially subtracted from the relevant value, in that sequence and order from the value of sequence of spatial order; the same shall be leading to the sequence of synthesis values of solid dimensional order.
22. The above rule of reach from spatial order to solid order value shall be sequential leading us to the value of synthesis of sequential value of creative dimensional order, transcendental dimensional order, self-referral dimensional order and so on.
23. As the rule, takes us from spatial order to solid order onwards the same, in reverse orientation will also be sequential leading from spatial order to linear order, linear order to zero order, and so on.
24. To have full appreciation of above synthesis dimensional synthesis values, one may also sequentially chase the sequence of values of zero numbers dimension of all dimensional orders as that here there would be a constant value '0' for each dimensional order.
25. Single dimension for every dimensional order will yield value equal to value of dimensional order itself it shall be:(1, 2, 3, 4, 5, 6, 7 ...).
26. The dimensional synthesis values for pair of dimensions for the sequence of dimensional orders will be (3, 4, 5, 6, 7 ...).
27. Dimensional synthesis for triple dimensions of different dimensional order would be constant value '6' in each case.
28. Dimensional synthesis values sequence for quadruples dimensions of whole range of dimensional order would be (10, 8, 6, 4, 2, 0,-2,-4 ...).
29. Synthesis value for 5 dimensions of same order for every dimensional order leads to values sequences (15, 10, 5, 0,-5,-10 ...).
30. Like that, values sequence can be reached at synthesis value of any number of dimensions for whole range of dimensional order.



**21**  
**DOMAIN SPLIT SPECTRUM OF 5**  
**STEPS**

This day the course focus is upon 'Domain split spectrum of 5 steps'. It four folds aspects being taken up are as follows:

- 133. Table of numbers of dimensions and sequential synthesis values difference for a pair of constitute dimensional order
- 134. Extending count range with middle placement of gaps
- 135. Synthesis of five dimensions of same dimensional order
- 136. Domain split spectrum of five steps long range

The values being covered are to be taught as lessons numbers 81 to 84 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-81**  
**TABLE OF NUMBERS OF**  
**DIMENSIONS AND SEQUENTIAL**  
**SYNTHESIS VALUES DIFFERENCE**  
**FOR A PAIR OF CONSITITUTE**  
**DIMENSIONAL ORDER**

31. Here below is reached at a table of numbers of dimensions of same order being synthesized as the first row, and in the second row is tabulated the difference values of constitute dimensional order values for the same number of dimensions of synthesis.

N = Number of dimension, D = Difference values, R = Reach Value.

N	0	1	2	3	4	5	6
D	0	-1	-1	0	2	5	9
R	-3/2	-1	-1/2	0	1/2	1	3/2

N	7	8	9	10	11	12	13
D	14	20	27	35	44	54	65
R	2	5/2	3	7/2	4	9/2	5

32. The above table leads us to the reach factors range as under:

N	0	1	2	3	4	5	6
D	0	-1	-1	0	2	5	9
R	-3/2	-1	-1/2	0	1/2	1	3/2

N	7	8	9	10	11	12	13
D	14	20	27	35	44	54	65
R	2	5/2	3	7/2	4	9/2	5

33. One may have a pause here and to take note that the numbers of dimensions sequence and parallel to it the corresponding reach factor sequence comes to be under:

N	0	1	2	3	4	5	6
D	0	-1	-1	0	2	5	9

## Transcendental content

N	7	8	9	10	11	12	13
D	14	20	27	35	44	54	65

### LESSON-82

#### EXTENDING COUNT RANGE WITH MIDDLE PLACEMENT OF GAPS

34. The above reach factors reach is an extended range of the- counts (... - 5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5 ...).
35. The extended range comes to be (- 7/2, -3, -5/2, -2, -3/2, -1, -1/2, 0, 1/2, 1, 3/2, 2, 5/2, 3, 7/2, 4).
36. This reach as extended range of counts into next generic counts range, is a takeoff from the original counts to new counts.
37. This take off on the geometric format of dimensional synthesis values set ups with a common value difference between constitutive dimensional orders for whole range of numbers of dimensions of same order.
38. This brings us face to face with a set up of a countable infinite sequence of countable finite sequences of dimensional orders synthesis.
39. It further bring us face to face with the phenomenon of fulfilling the grids nxn for all values of n with availability of higher dimensional order at the centre of the grid zone with the potentiality for two fold transcendence at the centre of the grid.

40. The phenomenon of two fold transcendence at centre of every grid zone of grid nxn for all values of n is the phenomenon of attainment of continuity smoothness not only for the boundary fold surface but also for the in-between enveloped domained with in two faced surfaces of grid zone.
41. One may have a pause here and to take note that with this extension and transcendence steps Vedic system success speak for itself over and above the restricted approach of 'many fold'.

### LESSON-83

#### SYNTHESIS OF FIVE DIMENSIONS OF SAME DIMENSIONAL ORDER

42. The sequence of synthesis values of five dimensions of same dimensional order is: (... -15, -10, -5, 0, 5, 10, 15, 20 ...).
43. The difference value is of five counts between every pair of constitute dimensional order.
44. The extended range of values sequence, as has been fixed above, associate reach factor '1' for synthesis values of five dimensions.
45. With this pairing (5, 1) the bridging of gaps of giving counts for transition to next generic count stands attain.
46. It is this attainment which classifies synthesis in respect of zero to quadruple numbers of dimensions as one class and synthesis of five and more numbers of dimensions, as another class.

47. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above features values of classification.



### LESSON-84

#### DOMAIN SPLIT SPECTRUM OF FIVE STEPS LONG RANGE

48. Five steps long split spectrum domains is of number of entities is (1, 2, 5, 12, 29) n domain sequentially take us to two entities of (n-2) domain.
49. A step head, the reach is at five entities of (n-4) domain.
50. A step, further ahead, reach at 12 entities of (n-6) domain.
51. And a step further ahead, there would be reach at 29 entities of (n-8) domain.
52. One may have a pause here and to take note that this way, five step long spectrum is of (n, n-2, n-4, n-6, n-8) domain.
53. As individual letter text of Ganita Sutras and upsutras accepts transcendental code values '1 to 16', as such for  $n = (1 \text{ to } 16)$  will sequentially leads us to domain split spectrum entities range of domains range.
- (I)  $N = 1$  leads to (1, -1, -3, -5, -7) of summation value (-15).
- (II)  $N = 2$  leads to (2, 0, -2, -4, -6) of summation value -10.
- (III) Like that, range can be reach at  $n = (3 \text{ to } 16)$ .



22

**TRANSCEND HALF**

This day the course focus is upon ‘Transcend half’. It four folds aspects being taken up are as follows:

- 137. Numbers values and artifices
- 138. Numbers values and strings
- 139. Transcend half
- 140. Quadruples values ( $10^0, 10^1, 10^2, 10^3$ )

The values being covered are to be taught as lessons numbers 85 to 88 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-85  
NUMBERS VALUES AND  
ARTIFICES**

1. Numbers accepts association of values and artifices.
2. Values take us to space contained domain and artifices takes us to dimensional frames of dimensional domains.
3. One way to approach number is as per their relationship and coordination with number ‘1’.
4. The other way is to reach at the interrelationship and coordination of numbers with number ‘0’.
5. Starting with a number ‘1’ and reaching at number ‘0’ and the other way round, starting with number ‘0’ and reaching at number ‘1’ will bring us face to face with the values and artifices of numbers ‘0 & 1’ and their interrelationship and coordination.
6. Taking ‘0’ as ‘1’, will bring us face to face with ‘1’ itself has it pairing with itself.
7. One may have a pause here and to take note that it shall be focusing upon a paired pairs set up [(0, 1), (1, 1)].
8. Further by accepting ‘1’ as ‘0’, it shall be bring us face to face with a paired pairs [(0, 0), (1, 0)].
9. One shall sit comfortably and permit the transcending mind to glimpse and imbibe zero space domain and 1-space domain.
10. One shall further sit comfortably and permit the transcending mind to glimpse artifices of numbers pairs ‘0’ & ‘1’.
11. The nearer illustrative situation which deserve to be comprehended well, in the above context of above relationship of numbers pair (0, 1):
  - (I)  $0+0 = 0 = (-0) = (0) \times (-0) = (0 \times 0)$ .
  - (II)  $a^0 = 1 = b^0 = (ab^0) = 1/b^0$  for  $(b \neq 0)$ .
  - (III)  $1+1 = 2$  and  $1 \times 1 = 1 = (-1) \times (-1)$ .
12. One shall sit comfortably and permit the transcending mind to glimpse (0-space), of which amongst others it has the feature as follow:
  - (I) Zero space plays the role of dimension of 2-space.
  - (II) Zero space accepts (-2) space has its dimensions.
  - (III) Hyper cube (0), the representative regular body of zero space manifests along the four fold manifestation format layers (-2,-1, 0, 1) with summation value = (-2).
  - (IV) Dimensional frame of zero space is a set up of **Zero**



**number** of dimensional order (-2).

(V) The boundary of hyper cube 0 is a set up of zero number of components of (-1) space domain.

(VI) Origin of zero space is (1-space) which is of a negative linear dimensional order.

(VII) The base of transcendental domain of zero order is (2-space).

13. One may have a pause here and to take note that negative linear order of one space as origin, (-1space) plays the role of boundary of zero space as zero number of dimensions and the dimensional order of zero space is (-2 space), and all these features brings us face to face with the different expression of zero space bodies.

14. Zero has a whole number, zero space as dimensional space, zero space bodies manifesting within creator's space along four folds manifestation layer format (-2, -1, 0, 1) and the prominent feature of zero space body being as have been enlisted above deserve to be comprehended well.

15. The existence of value zero in triple state (-0, 0, +0) deserve to be comprehended well.

16. Further, the specific role of '0' as of 'place value' for whole range of place value system including ten place value systems deserves to be comprehended well.

17. The double digit expression and reflection pairing of artifices of number (01, 10) as well deserve to be comprehended well.

18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the values and artifices of number (0), has zero space domains and has dimensional frame of zero space.



## LESSON-86 NUMBERS VALUES AND STRINGS

19. One sequence of number value string is : [(0), (0, 1), (0, 1, 2), (0, 1, 2, 3), (0, 1, 2, 3, 4) ...] parallel to the format of this sequence of strings, to shall be having sequences of 'domains', as:

[(0-space domain), (1-space domain), (2-space domain), (3-space domain), (4-space domain) ...].

20. This would further lead us to sequence of space contained lump, being:

[(0-space content lump), (0-space, 1-space contained lump), (0-space, 1-space, 2-space contained lump), (0-space, 1-space, 2-space, 3-space contained lump) ...].

21. It further leading us to different roles of dimensional spaces play by their space contained lump, as:

[(zero space contained as dimension), (zero space, one space contained as dimension), (zero space, one space & two space contained as dimension) ...].

## Transcendental content

22. It further leading us to different roles of boundary spaces plays by their space contained lump, as:  
[(zero space contained as boundary), (zero space & one space contained as boundary), (zero space, one space & two space contained as boundary) ...].
23. It further leading us to different roles of origin spaces plays by their space contained lump, as:  
[(zero space contained as origin), (zero space, one space contained as origin), (zero space, one space & two space contained as origin) ...].
24. It further leading us to different roles of base spaces plays by their space contained lump, as:  
[(zero space contained as base), (zero space, one space contained as base), (zero space, one space, & two space contained as base) ...].
25. Quadruples of above string of the role of (dimensions, boundary, domain, origin) synthesis as hyper cubes of respective domains.
26. It leads to a sequence of sequences as:  
[(hyper cube 0), (hyper cube 0, hypercube 1), (hypercube 0, hypercube 1, hypercube 2), (hypercube0, hypercube 1, hypercube 2, hypercube 3) ...]
27. Above sequence of sequences synthesis sequence of measuring rod of (hyper cube 0, hyper cube1, hyper cube 2 ...) as synthesis set up of [(hyper cube 0), (hyper cube 0 and hyper cube 1), (hyper cube 0, hyper cube 1, and hypercube 2) ...].
28. One may have a pause here and to take note that these measuring rods are designated as Sathapatya measuring rod.
29. These measuring rod help chase respective domains fold.
30. One may further have a pause here and to take note that the transcendence take place at origin fold.
31. As such Sathapatya measuring rod provide a format for transcendence at the origin.
32. Transcendence at the origin is of sequential phases, as origins are compactified range. Sadhakas follow this sequential transcendence.
33. It is glimpsing and imbibing the features and values of transcendence at origin.
34. With this glimpsing and imbibing the Sadhakas perfect their intelligence as a intelligence field on consciousness base.
35. Sadhakas are conscious of their consciousness base.
36. Consciousness base has its unity format.
37. As such, Sadhakas are of lively consciousness as per the values of the consciousness format.
38. Consciousness format has its sustained state by the natural reservoir (Asht-Prakrite / hyper cube 8) set up.
39. Hyper cube 8 has manifestation as well as transcendental values fountained from self sustained Brahman reservoir (9-space).

40. The whole phenomenon is ultimately taking us to par Braham.



### LESSON-87 TRANSCEND HALF

41. Origins are compactified.
42. Transcendence through compactified origin range is of sequential steps. This phased transcendence, sequentially covers shot ranges compactified origins strings.
43. Formulation 'first' accepts NVF value '72' which is parallel to NVF value '72' of formulation origin.
44. As such the transcendence initiation of its first step would be to reach origin of domain fold.
45. One may have a pause here and to take note that NVF (domain) = NVF (three) = NVF (light) = NVF (fold).
46. To have proper appreciation of this phenomenon, one shall begin with 'cube / hypercube<sup>3</sup>' at its origin (4-space), which is of a spatial order.
47. One may have a pause here and to take note that 3-space (domain) is of a linear order, as such the Sathapatya measuring rod 3-space domain permit chase in terms of unit (1 as 1).
48. Spatial order of four space gives rise to a unit (2 as 1 and 1 as 2), with a working unit (1/2).
49. One may further have a pause here and to take note that NVF (transcendence) =  $125 = 5^3 = 27+98 =$  NVF (transcend half).

50. It is this feature, which deserve to be comprehended well.
51. Transcendence at the origin is parallel to the working unit of the space content playing the role of origin.
52. One may have a pause here and to take note that the origin is, always of a dimensional order higher than that of domain fold.
53. Here in the context, the linear units lead to a sequence of values (1, 2, 3, 4, 5, 6 ...), while the sequences of unit of spatial order (2 as 1 & 1 as 2) with a working rule (1/2) leads to sequence of value (1, 3/2, 2, 5/2, 3, 7/2, 4 ...).
54. One may have a pause here and to take note that the transcendence at origin takes to the base fold.
55. It is this, feature which deserves to be comprehended well.
56. Base fold is a transcendence seat.
57. It transcends manifestation format.
58. One may have a pause here and to take note that manifestation format is a set up of four folds (dimension, boundary, domain, origin), while base is the fifth fold and same is free of the restriction and limitation of manifestation format.
59. One may further have a pause here and to take note that NVF (base) =  $27 =$  NVF (half).
60. One may further have a pause here and to take note that spatial order during transcendence, manifests 'half' of space contained, and it is this feature, which deserve to be comprehended well to imbibe the values of manifestation of half contained lump.

## Transcendental content

61. This feature as such attains manifestation for a spatial unit set up has a manifestation of a pair of half domains.
  62. It is this feature, which deserves to be comprehended well.
  63. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the features and values of transcendence phenomenon resulting into manifestation for a domain into a pair of half domain.
  64. The system which insist upon linear unit, restrict themselves up till full domain manifestation while, a step ahead, the spatial order takes us to the phenomenon of manifestation of a pair of half domain set ups as domains.
  65. It that way brings us face to face with the limitation of mathematics of linear order 3-space.
  66. To transcendence these limitation we have to transcend from linear order 3-space set up to spatial order 4-space set up.
  67. It takes us to real four space where space contained manifests a pair of half contained domains.
  68. It is this feature with whose imbibing we shall be availing Vedic Mathematical systems of creator's space (4-space).
  69. The focus here is upon the set up of a dimension and a dimensional frame.
  70. In case of 3-space it is one space content which manifest as a whole.
  71. However in case of 4-space it dimension of spatial order (2-space contain lump playing the role of dimension) and the dimension here is of potentiality to manifests as (half).
  72. It is this feature which is making all the difference between mathematics of 3-space and mathematics of 4-space.
- 

### LESSON-88 QUADRUPLES VALUE ( $10^0, 10^1, 10^2, 10^3$ )

73. Creative boundary (4-space boundary) of transcendental domain (5-space as domain) manifests a ten place value system format.
74. One may have pause here and take note that four space with its transcendental origin at its initial stage is of zero order state.
75. Sequentially transcendence there from leads to values ( $10^0, 10^1, 10^2, 10^3 \dots$ ).
76. This brings us face to face with organization format of ten place value system manifesting a format a creative boundary of transcendental domain.
77. Amongst other the following feature , deserves to be comprehended well
  - (I)  $(1+2+3+4 = 10^1)$ .
  - (II) 4-space has 9 geometry ranges and parallel to it manifests 9 numeral ranges.
78. It would be relevant to take note that 10 points range as 9 unit's gaps.
79. As such leads us to a structural set up of  $(10 + 9) = 19$ .

80. Working with 19 numerals range shall be leading us to 20 place value system.
81. One may have a pause here and to permit the transcending mind to glimpse and imbibe the values of this structural set up which take care of first generation counts and also the second generation count, their by there is a reach of 10 place value system to 20 place value system.
82. Further as that, domain boundary ratio for hyper cube 5 comes to be  $1^5:10b^4$ .
83. This that way makes five space domains as a format of five place value system.
84. Still further the organization of  $10 = (5-1)+(5+1)$  leads us to a grid format  $(4 \times 6)$  which accommodate all the 24 double digit numbers of five place value system.
85. Still further as that value  $(4 \times 6)$  is parallel to dimensional value  $(4 \times 6)$  of 6-space dimensional frame of 6 creative dimensions.



23

**QUADRUPLE VALUES**

**(21, 101, 1000, 9)**

This day the course focus is upon ‘Quadruple values (21, 101, 1000, 9)’. It four folds aspects being taken up are as follows:

- 141. Nine numeral range
- 142. Double digit number (01 to 99)
- 143. Fixations of middle point
- 144. Quadruple values (21, 101, 1000, 9)

The values being covered are to be taught as lessons numbers 89 to 92 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-89**

**NINE NUMERAL RANGE**

- 86. Nine numeral ranges (1, 2, 3, 4, 5, 6, 7, 8, 9) is a values range.
- 87. Parallel to it, there are dimensional frame.
- 88. These nine dimensional are as dimensional order (-2, -1, 0, 1, 2, 3, 4, 5, 6, 7).
- 89. There is nine vowel range of Devnagri alphabet.
- 90. Nine numerals accept parallel to nine numeral ranges.
- 91. These nine numerals has a range of nine numbers is parallel to nine geometries range of four space.
- 92. As such, each numeral and each vowel accepts values and formats parallel to nine geometries range of four space.
- 93. It would be blissful to take note that nine numeral (1, 2, 3, 4, 5, 6, 7, 8, 9) are distinct values.

- 94. Number value 1 is distinctively unique has it is first numeral.
- 95. Number value 2 is distinctively unique has it is the only even prime.
- 96. Moreover, it is the first prime.
- 97. Number value 3 is distinctively unique has it is the odd prime.
- 98. Number value 4 is unique that it accepts re-organization as  $4 = 2+2 = 2 \times 2 = (-2) \times (-2)$ .
- 99. Further  $4^2=2^4$ .
- 100. Number value 5 is uniquely distinct as that it is of the middle placement of nine numeral ranges.
- 101. Number value 6 is distinctively unique as that  $6 = 1+2+3 = 1 \times 2 \times 3 = 2+2+2$  and it is the first perfect number.
- 102. Number value 7 is distinctively has seven is the biggest prime of numerals range.
- 103. Number value 8 is unique as that it is cube of prime 2.
- 104. Number value 9 is unique is that is the square of first odd prime 3.
- 105. Moreover,  $8 = 2^3$ ,  $9 = 3^2$  constitutes a reflection pair of vertical organization ( $2^3$ ,  $3^2$ ) and here base and index values swap their places.
- 106. Double digit number pair (01, 10) constitutes a horizontal reflection of number. ■

**LESSON-90**

**DOUBLE DIGIT NUMBER**

**(01 TO 99)**

- 107. Double digit number 01 to 99 accept 9x11 grid format as under:

01	02	03	04	05	06	07	08	09
10	11	12	13	14	15	16	17	18

19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63
64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99

- 108. The above grid split into upper part and lower part with separating line of value range (10, 20, 30, 40, 50, 60, 70, 80, 90).
- 109. The upper part also has a separating line (11, 22, 33, 44).
- 110. Lower part has a separating line (55, 66, 77, 88, 99).
- 111. The separating line (11, 22, 33, 44) of upper part is the mirror line and numbers of upper part get paired as a reflection pairs.
- 112. Likewise, the separating (55, 66, 77, 88, 99) is the mirror line of lower part and the number of lower part get paired as reflection pair. The mirror lines number (11, 22, 33, 44, 55, 66, 77, 88, 99) is a range of self reflected artifices.
- 113. The organization along the artifices, are double digit number of artifices lead to basic organization format and same is availed by Vedic Mathematics to organization knowledge.
- 114. Shri Mad Durga Sapt Sati is one scripture.



**LESSON-91**

**FIXATION OF MIDDLE POINT**

- 115. 3 point fixation of point helps organize  $10^3$  numbers range.

- 116. One may have a pause here and to take note that to construct/fix the middle point of a given pair of points is an exercise of following steps:
  - (I) First step is to fix the first point
  - (II) Second step is to fix the second point.
  - (III) Third step is to fix the middle point.
- 117. One may have a pause here and to take note that the triple number (1, 2, 3) leads to six number namely (123, 132, 231, 213, 312, 321).
- 118. One may have a pause here and to take note that the first number 123 is of the sequential order of 1, 2, 3 respectively.
- 119. However, the remaining five numbers have the organization parallel to above exercise fixation of middle point of a pair point.
- 120. It is this feature, which deserve to be comprehended well.
- 121. The above set of 6 points gets classified as a single point 123 and as five points (132, 231, 213, 312, 321).
- 122. This bring to focus that to have a straight sequential organization parallel to value of triple number (1, 2, 3) has 123, it be taken as being only one of the six organizations.
- 123. It is this feature, which deserve to be comprehended well particularly as that NVF (circumference) = 123.

## Transcendental content

124. It is this feature of circumference, which deserves to be comprehended well.
125. It is this feature, which help tame curvature.
126. It is this feature, which makes number range up till  $10^3$  being potential enough to organize whole range of artifices.



### LESSON-92 QUADRUPLES VALUES (21, 101, 1000, 9)

127. Vedic organization leads to 21 Branches of Rig-Ved Samitha, 101 branches of Samved Samitha, 1000 branches of Yajurved Samitha and 9 branches of Arthaved Samitha.
128. It would be blissful to take not that  $21 = (10+01+10)$ .
129.  $101 = 10 \times 10 + 01$ .
130.  $1000 = 10 \times 10 \times 10$ .
131.  $9 = 10 - 01$ .





24

**Ganita Sutra 8**

This day the course focus is upon ‘Ganita Sutra 8’. It four folds aspects being taken up are as follows:

- 145. Puranpurnabhvam
- 146. Simple English rendering of the text
- 147. Upanishadic expression
- 148. Formulation purnam and apurnam

The values being covered are to be taught as lessons numbers 93 to 96 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-93  
PURANPURNABHVAM**

- 1. Being sutra 8 the values of number 8 get associated with this sutra.
- 2. The text of Ganita Sutra 8 is a composition of 16 letters.
- 3. Being a text of 16 letters of value of number 16 as well gets associated with this sutra.
- 4. It may be relevant to take note that Ganita Sutras (1, 9, 15, 16) and Ganita Upsutra 10 as well are composition of 16 letters each.
- 5. Further, the text of Ganita Upsutra 13 is a text of  $16+16 = 32$  letters.
- 6. Transcendental code value of text of Ganita Sutra 8 comes to be of 16 values range (5, 6, 3, 1, 7, 1, 5, 6, 3, 1, 7, 2, 8, 1, 2, 9).
- 7. The summation of this 16 values range of transcendental code value of text of Ganita Sutra 8 comes to be:  
 $(5 + 6 + 3 + 1 + 7 + 1 + 5 + 6 + 3 + 1 + 7 + 2 + 8 + 1 + 2 + 9) = 67$ .

- 8. Vedic code value of text of Ganita Sutra 8 is a values range (1, 0, 3, 0, 5, 0, 1, 0, 3, 0, 5, 0, 4, 1, 0, 5).
- 9. The summation value of this range of 16 Vedic codes value of the text of Ganita Sutra 8 comes to be:  
 $(1 + 0 + 3 + 0 + 5 + 0 + 1 + 0 + 3 + 0 + 5 + 0 + 4 + 1 + 0 + 5) = 28$ .
- 10. Brahman code value of the 16 letters of text of Ganita Sutra 8 comes to be value range as (5, 10, -5, -15, 15, -15, 5, 10, -5, -15, 15, -10, 20, -15, -10, 25).
- 11. The summation value of Brahman range values of the text of Ganita Sutra 8 comes to be:  
 $(5 + 10 -5 -15 + 15 -15 + 5 + 10 -5 -15 + 15 -10 + 20 -15 -10 + 25) = 15$ .
- 12. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above values of the text of Ganita Sutra 8.
- 13. From above , it emerges that following values gets associated with the text of Ganita Sutra 8:
 

(I) Sutra number	8
(II) Letter of the text	16
(III)TCV values	67
(IV)VCV values	28
(V) Brahman code value	15



**LESSON-94  
SIMPLE ENGLISH RENDERING  
OF THE TEXT**

- 14. Simple English rendering of text may be: ‘complete and in complete’
- 15. Further, with a focus, as per the value, it may be: ‘full and not full’.

16. Counts wise values translation of the text will be: 'infinity and its split as infinity and infinity'.
17. Geometric format wise it is to be of expression of: 'closed interval as closed interval and half closed interval'.
18. It also may be: 'open interval as open interval and half open interval'.

■

### LESSON-95 UPANISHADIC EXPRESSION

Om Puranamadah Purnamidam  
Purnat Purnamodacyatei

---

Purnasya Purnamadaya  
Purnameivavshishyatei

---

Simple English rendering for this expression is: 'Om. That (Supreme Brahman) is infinite, and this (Conditioned Brahman) is infinite. The Infinite (Conditioned Brahman) proceeds from the Infinite (Supreme Brahman). (Then through knowledge), realizing the infinitude of the infinite (conditioned Brahman), it remains as the infinite (unconditioned Brahman) alone'. (Brhadaranyaka upanisad.5.5.1)

■

### LESSON-96 FORMULATIONS PURNAM AND APURNAM

19. Formulation Purnam (full / complete / infinity) as a value of 'open interval' deserve to be visited and to be revisit and time and again, as the modern mathematics is trying to tame this concept to reach at appropriate processing system for it and the discipline of topology has put itself in the shape and state which require rethinking about its conceptual approach at its very foundation.
20. Vedic system approach simultaneous availability of *Purnam* and *Apurnam* which is of processing format of following features values:
  - (I) Hypercube  $n$  is of  $(n+1)$  version.
  - (II)  $(n+1)^{th}$  version is free of all  $2n$  components of boundary of domain of hypercube  $n$ .
  - (III) This state of  $n$  space domain is an  $n$  space contained lump (domain fold) without any restriction, what so ever because the boundary fold.
21. Illustratively, 1-space 3 geometries range and parallel to it, there are 3 versions of hypercube1.
22. Open interval is the 3<sup>rd</sup> version of hypercube 1.
23. Open interval is a body of zero signature geometry of 1-space.
24. Open interval permits a split as open interval and half open interval.

25. The open interval part of open interval will again permit it split has open interval and half open interval
26. And this, to continue adds infinitum.
27. Let us have a pause here and revisit at the split organization of open interval has open interval and half open interval.
28. The distinguishing feature of two parts, namely open interval and half open interval is the end point available for half open interval.
29. Let us have a pause and to take note that such a point is available anywhere in between the open interval but for the end point of the open interval itself.
30. This availability of the point is of the structural order of zero space in the role of dimensions of 2-space marking its presence in the set up of the open interval being of negative dimensional order.
31. One may have a pause here and to take note that zero space is a unique set up whose boundary consists of zero number of negative linear spaces.
32. It is this feature which makes presence of zero space bodies (points) marking their presence everywhere in between the open interval but are not manifesting themselves as end points.
33. It is because of it that transcendence is permissible at any of the in between point of the interval, as a seat of origin of a fluctuating origin.
34. It is this transcendence feature, which sets point in a dynamic state and their by, it place the role of dimension of 2-space, which manifests that way the origin of 1-space and hence the origin fold of hypercube1.
35. The transcendence takes to the base fold which for hypercube 1 is 3-space set up.
36. This leads to a five folds transcendence range (-1) space as dimensional fold, 0-space as boundary fold, 1-space as domain fold, 2-space as origin fold and 3-space as base fold.
37. One may have a pause here and to take note that 2-space, as a surface, is of a pair of faces which may be designated as a value pair (-2 +2).
38. One may further have a pause here and to take note that the face of a surface with value (-2) is towards 1-space while the face (+2) is towards 3-space.
39. One may further have a pause here and to take note that the summation value of the emerging transcendence range (-1, 0, 1, 2, 3) is:  

$$(-1 + 0 + 1 + 2 + 3) = 5.$$
40. One may further have a pause here and to take note that 2-space has five geometries range and parallel to it, there are five versions of hypercube 2, and that the fifth version parallel to zero signature geometry of hypercube 2 is 2-space domain free of its all restrictions because of its linear order boundary components.
41. One may have a pause here and to take note that in the process there has been reach from 0 signature geometry of 1-space to 0 signature geometry of 2-space, and parallel to

## Transcendental content

a reach from 1-space domain free of restriction of a boundary to 2-space domain free of restriction because of boundary.

42. One may have a pause here and to take note that this has a feature of processing along the Sathapatya measuring rod and same is to maintain sequential ordering.
43. One may further have a pause here and to take note that Sathapatya measuring rod are sequential measuring rod of synthetic set up [(hypercube 0 and hypercube 1), (hypercube 0, hypercube 1 and hypercube 2), (hypercube 0, hypercube 1, hypercube 2 and hypercube 3), (hypercube 0, hypercube 1, hypercube 2, hypercube 3 and hypercube 4) ...].
44. It would be relevant to take note that :
  - (I) Hypercube 0 has single version parallel to single geometry of zero space.
  - (II) Hypercube 1 has three versions, parallel to 3 geometry of 1-space.
  - (III) Hypercube 2 has five versions, parallel to 5 geometry of 2-space.
  - (IV) Hypercube 3 has 7 versions, parallel to 7 geometry of 3-space.
  - (V) Hypercube 4 has 9 versions, parallel to 9 geometry of 4-space.
  - (VI) And so on.
45. The sequential availability of boundary free space contents lumps as domains folds is one feature.
46. The different role which space content as domain folds have to play is another feature.
47. The simultaneously manifestation of four constitute dimensional space contents as hypercube manifestation layer is another feature.
48. This feature bring to focus the specific interrelationship role of third member of four sequential member set up becomes of a central role as much as that here the space contained as domain fold is playing the role of a dimensional fold.
49. In the context of 1-space, 2-space, 3-space and 4-space have sequential 4-spaces with manifestation of their contents put 3-space content in the role of domain fold.
50. As such 3-space domain, in the role of domain fold brings us face to face with a situation like cube within a cube / 3 dimensional space chase within 3-space.
51. This further, brings us face to face with 3-space having a 7 geometries range and parallel to it there been 7 versions of cube as hypercube 3 but cube permits its split into eight sub cubes.
52. One may have a pause here and to take note that while 7<sup>th</sup> geometry of 3 space and parallel to it a 7 versions of cube is boundary free but the split has eight sub cubes makes a split of different generic in which the eight sub cube is further free from the very dimensional order and it simply behaves has a space contents with a structural

sustaining frame of a 3 dimensional frame of half dimensions (of both linear order and also of a spatial order).

53. One may have a pause here and have a fresh visit of this set up of a space of eight sub cube.
54. Seven structural components sustaining eight sub cube are :
  - (I) Origin located at a corner contributing one structural component.
  - (II) Three (half) edges of the set up of original cube contributing, three structural components.
  - (III) Three (half) surface plate of the original cube, contributing another 3 structural components.
  - (IV) Eight sub cube itself becoming the eighth but sustained structural component.
55. One may have a pause here and to take note that the above set up. Amongst other has the following glaring feature :
  - (I) Origin is located at the corner point.
  - (II) 3 half linear dimensions, together with the origin at the corner constitute a 3 dimensional frames of half dimensions.
  - (III) 3 half surface plate together with origin at the corner point constitute a three dimensional frames of 3 half spatial dimensions.
  - (IV) The origin point is a compactified set up as origin of linear dimensional frame, as well as the origin of a spatial dimensional frame.

(V) 2-space play the role of origin of 1-space, 3-space play the role of origin of 2-space and both are compactified.

56. Each of the eight sub cubes, can be taken as the eighth sub cubes.
57. Let us have a pause and have a further split for each of eight sub cubes as eight sub-sub cubes for each sub cube.
58. The emerging 64 sub sub cubes with 8 structural frames set up will make a set up of 512 components.
59. One may have a pause here and to take note that Ganita Sutra and upsutras text avail in all 519 letters of which eight letters of sutra 6 are dormant and one letter of Ganita Sutra 8 is in an un-manifest state and their by the text of Ganita Sutra and upsutras, as such become a lively text of value 512.
60. One may have a pause here and to take note that the internal structural of 3-space domain permits simultaneous chase in terms of a linear 3 dimensional frames as well as a spatial 3 dimensional frames.
61. It is this feature of 3-space domain, further bring us face to face with the split of cube into 8 sub cubes and the eighth sub-sub cubes of each 8 sub cubes, as a set up of 8 sub-sub cubes, makes a set up parallel to the set up of a sub cube, the ninth sub cube.
62. It is this ninth sub cube which is missing in the modern topology which is attempting to generalize surfaces with re-organizing that domain is being missed.

## Transcendental content

63. The role of space contained domain as boundary is different than the role of space domain as a domain fold.



## 25 APPLICATION OF Vedic Mathematics

This day the course focus is upon 'Application of Vedic Mathematics'. It four folds aspects being taken up are as follows:

149. Transcendental code of value of formulation Purana

150. Hypercube 4 and Idol of Lord Brahma.

151. Virtues of values of number.

(IV) Values and virtues

(V) Value number 555

(VI) Value number 786

152. Application of Vedic Mathematics

The values being covered are to be taught as lessons numbers 97 to 100 to the students of 4-space Vedic Mathematics, Science & Technology.

### LESSON-97 TRANSCENDENTAL CODE OF VALUE OF FORMULATION PURANA

64. Transcendental code value of formulation Purana is 23.

65. One of the organizations of value '23' is,  $23 = (3+5+3 \times 5)$ .

66. This organization is of a dynamic state of solid order 5 dimensional domain set up.

67. The values pair (3, 5) is parallel to the format of (3-space dimension, 5-space domain).

68.  $3+5 = 8$  is parallel to the feature of 3-space dimensional superimposed upon 5-space domain.

69. Further number value 8 has parallel to transcendental code value 8

takes us to whole range of formulation accepting transcendental code value 8.

70. Illustrative prominent such formulation of transcendental code value 8 are:

(I) Akash(space)

(II) Ek (one)

(III) Triya (three)

(IV) Iti (end)

71. Hypercube 4 accepts boundary of eight solid components.

72. Solid boundary of eight components of 4-space manifests a format for eight place value system.

73. 4-space domain itself manifests a format of 4 place value system.

74.  $3 \times 5$  grids accommodate all the 15 double digit number of 4 place value system.

75. The re-organization of solid boundary of eight component  $8 = (3+5)$ , leads to a take off for five solid components and they manifests outer space within a solid dimensional frame of five dimensions.

76. The solid dimensional frame of five dimensions leads to dimensional value  $3 \times 5 = 15$  parallel to double digit of four place value systems.

77. One may have a pause here and to permits the transcending mind to continuously remain in prolonged sitting of trans to glimpse and imbibe the above features of internal structure of 3-space domain before evaluating and appreciating modern topologies attempt to chase real 4-space with the help of many fold of their concepts.

## Transcendental content

78. 4-space as domain manifests a four folds creation format along which the representative regular body itself as well manifests as hypercube 4.



### LESSON-98 HYPERCUBE 4 AND IDOL OF LORD BRAHAMA

79. Sadhakas fulfilled with intensity of urge to glimpse and imbibe ancient wisdom of real 4-space shall visit and revisit the feature of lord Braham reserves in Upanishad and other scriptures and try to tabulate common feature and values of the same with the set up of hypercube4 .
80. Idol of Lord Brahma is four head idol.
81. Real 4-space is a 4-space set up.
82. Each head of idol of Lord Brahma is equipped with pair of eyes.
83. Real four space is of spatial order (2-space play the role of dimensional of 4-space).
84. Lotus seat of idol of Lord Brahma is of eight petals.
85. Solid boundary of hypercube 4 is of eight components.
86. Within cavity of heart of lord Brahma is the seat of transcendental Lord Shiv, the over Lord of 5-space.
87. 5-space play the role of origin fold of hypercube 4 parallel to 5-space being the origin of 4-space.
88. Lord Brahma sit comfortably and gracefully mediate within cavity of its on heart and with the grace of transcendental Lord Shiv, Lord Brahma multiplies as ten Brahma.
89. Transcendence is permissible at the transcendental origin of creator's space (4-space) and 4-space manifests as a creative boundary (4-space as boundary) of ten components of transcendental domain (5-space).
90. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to melt one's mental state of linear order boundary to a spatial order boundary and to glimpse and imbibe real space (4-space) in its different roles of which 4-space domain as creative boundary (4-space boundary) of transcendental domain (5-space) is one of the roles.
91. The internal structural set up of 4-space domain provides a degree of freedom of motion for 12 edges cube.
92. The degree of freedom of motion of 12 edged cube manifests has 13<sup>th</sup> edges and transforms 12 edges cube into a set up of 13 edged cubes.
93. The 13<sup>th</sup> edge is of a spatial format has 4-space is of spatial order.
94. 13 edge cubes swaps 4-space domain, in a dimension by dimension phased manner.
95. One may have a pause here and to take note that the 13<sup>th</sup> edge of a cube takes up till transcendental origin (5-space as origin) of creator's space (4-space).
96. One may have a pause here and to take note that 4-space plays the role



of dimension of 6-space of 13 geometries range.

97. It would be blissful for the Sadhakas to glimpse and imbibe full range of features and values of real 4-space preserved in the scripture of ancient wisdom and the light of the same to evaluate themselves as to how the modern topology have faulted themselves at foundation level itself by ignoring domain as 'holes' while attempting generalize surface with the anxiety to reach smoothness for generalize differentiation without appreciating that derivative takes care only half boundary and more over the derivative differentiation inherently require parallel availability of domain and boundary and ignoring domain as hole is highly non-mathematical.

### LESSON-99

## VIRTUES OF VALUES OF NUMBERS

### (I)

### VALUES AND VIRTUES

1. Values take parallel to Sathapatya measuring rod format.
2. Virtues take parallel to the centre.
3. Sathapatya measuring rod of hypercubes 1 to 6 gives the values 61.
4. This Sathapatya measuring rod take up till centre of 6-space.
5. Centre of 6-space is of a transcendental order unity state (7-space of 5-space dimensional order).
6. Centre gets the value 65.
7. NVF (value) = 61.
8. NVF (centre) = 65.

### (II)

## NUMBER VALUE 555

9. Value 555 permits re-organization has first digit file as value 5 and second and third digit together as value 55 permitting re-organization has  $5 \times 11$ , which is parallel to the value of domain fold of 11 versions of hypercube 5.
10. This leads to five as centre and its domain (centre domain) being of value 55 for its all the 11 versions.
11. Further as that, creative a boundary of 5-space is of 10 components and gives 10 as the multiplier.
12. Further as that, creative boundary (4-space manifests a format for 10 place value system.
13. Here it would also be relevant to take note that the total boundary components of whole range of 11 version of hypercube 5 are  $(10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1) = 55$ .
14. The value '555' is the value of the scripture Braham sutra.
15. This reach for the transcendental origin for the transcendental centre (domain enveloped by creative boundary) is the enlightenment of the structural set up of the transcendental centre.
16. One may have a pause here and to take note that playing the role of dimensional of unity state origin and dimensional order itself manifesting as the centre is the phenomenon which deserves to be glimpsed and to be appreciated and imbibe fully for proper insight and appropriate enlightenment as that transcendental order uniquely distinguishes as much as that the

## Transcendental content

order the domain of the order itself, both play the role of the centre.

17. The transcendental order and the unity state both playing the role of the centre is the phenomenon whose comprehension and imbibing will make transcendental domain to be uniquely different than whole range of domain including creative domain (4-space as domain).
18. It is this to focus to attention to Vedic system which deserves to be consciously attended to.

### (III)

#### NUMBER VALUE 786

19. Self-referral domain (6-space as domain), in the role of a self-referral dimensional order of natural state (Asht-Prakarti) as well, in continuity of the phenomenon initiation with the transcendental domain makes 6-space as well to be a centre and 8-space created by 6-space as dimension as well to be a centre.
20. One may have a pause here and to take note that number value 786 permits a chase has first step as single digit value 6 and next steps as a pair of step value digit 78 which accepts re-organization as  $78 = 13 \times 6$ , which is parallel to domain value of all the 13 versions of hypercube 6.
21. It would be relevant to take note that the summation value of boundary components of all the 13 versions of hyper cube 6 come to be  $(12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 + 0) = 78$ .
22. Here in the context it would be relevant to take note that number value '666' puts us into a very bad situation, as much as that 6-space as dimension leads to creation of 8-space, the pair of self-referral dimension (6, 6) as well lead to synthetic value 8 while the synthetic value of triple self-referral domains (6, 6, 6) leads to synthetic value '6'.
23. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the virtues and values of numbers (555, 786 and 666).



## LESSON-100 APPLICATION OF VEDIC MATHEMATICS

1. Vedic Mathematics is a whole some discipline.
2. It simultaneously avails artifices of numbers as well as dimensional frames.
3. It approaches space with a sequential order of dimensional frames.
4. Each dimensional frame makes mathematics of a distinct generic parallel to its measure.
5. As per the basis base generic mathematics of a dimensional space are approach and availed sciences and technologies of space.
6. Each dimensional space leads to distinct sciences and technologies

parallel to the features values and virtues of the dimensional space contents and manifestations format of the dimensional bodies.

ultimate enlightenment reach of Vedic Mathematics.



7. Numbers and dimensional bodies are two basic mathematics entities.
8. Space content is the basic substance of chase of the sciences.
9. Dimensional bodies format are the technological format.
10. Mathematics provides the basis base, sciences work out the space contents and technology work out the manifestation format for necessity for the sustain-ness of the existence phenomenon.
11. As such, the different aspects of applied basis are approached as arithmetic, algebra, geometry, manifestation and transcendence.
12. These aspects values are availed by sciences and technologies.
13. Further, these become the basis of intelligence and enlightenment.
14. Existence phenomenon, in its entirety and whole some phenomenon is approached has happening within frame and without frames.
15. Existence phenomenon within frame, including human frame is at the centre of this chase.
16. The second chase centre is existence phenomenon without frame including solar universe with sun as self-referral centre, creating system parallel to natural order (Asht-prakarti), as well to play centre of the existence phenomenon.
17. The sustain-ness of existence within Brahman domain is the

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**BASIC AVAILED BY TEXT OF  
Ganita Sutras**

This day the course focus is upon ‘Basic availed by text of Ganita Sutras’. It four folds aspects being taken up are as follows:

- 153. Opening words
- 154. Ganita Sutras and Ganita Upsutras
- 155. Basic number availed by the text
- 156. Operational values

The values being covered are to be taught as lessons numbers 101 to 104 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-101  
OPENING WORDS**

- 18. Arithmetic ultimately takes us to artifices of numbers.
- 19. Artifices of numbers go parallel to dimensional frames.
- 20. With it, transition and transformation from arithmetic to algebra to geometry to manifestation to transcendence become the different aspect and phases of transformation of continuity of mathematics.

**LESSON-102  
GANITA SUTRAS AND UPSUTRAS**

- 21. Ganita Sutras and upsutras are the basis base of Vedic Mathematical systems.
- 22. Ganita Sutras and upsutras are also the basis base of arithmetic.
- 23. Ganita Sutra 1 is the sources sutra and Ganita Upsutra 1 is the sources

upsutra of the pure and applied values of entire mathematically domain including arithmetic.

- 24. The initiation for pure and applied values of arithmetic is to be with values and virtues of Ganita Sutra 1 and Ganita Upsutra 1.
- 25. Ganita Sutra 1 has the sequential ordering value, including for numbers, and Ganita Upsutra 1 has the summity value including for the numbers.
- 26. The order and summity become the source principle of arithmetic systems.

**LESSON-103  
BASIC NUMBER AVAILED BY  
THE TEXT**

- 27. Ganita Sutras and upsutras avails numbers (0, 1, 2, 7, 9, 10).
- 28. Numbers (3, 4, 5, 6 & 8) are being worked out to provide processing systems being achieved here.
- 29. The quadruple (3, 4, 5, 6) is parallel to four folds manifestation layer (3, 4, 5, 6) of hyper cube 5, the representative regular body of 5-space.
- 30. Number value 8, as a transcendental code value takes us to the formulation ‘Akash/space’.
- 31. Further as that, the transcendental dimensional order (5-space as dimension) takes us to natural origin (8-space as origin) of 7-space having hyper cube 7 as its representative regular body.

**LESSON-104**  
**OPERATIONAL VALUES**

32. Text of Ganita Sutras and Upsutras avail following operational values:
- (I) More than.
  - (II) Less than.
  - (III) Equal.
  - (IV) Parallel.
  - (V) Reverse.
  - (VI) Repeated deficiency.
  - (VII) Part.
  - (VIII) Whole.
  - (IX) Complete.
  - (X) Incomplete.
  - (XI) Remainder.
  - (XII) Osculator.



### Vedic SYSTEMS CHASE STEPS

This day the course focus is upon 'Vedic systems chase steps'. It four folds aspects being taken up are as follows:

- 157. Linear order and spatial order
- 158. Sides and diagonals
- 159. Mathematics of  $\sqrt{2}$
- 160. Vedic systems chase steps

The values being covered are to be taught as lessons numbers 105 to 108 to the students of 4-space Vedic Mathematics, Science & Technology.

### LESSON-105 LINEAR ORDER AND SPATIAL ORDER

1. Linear order may be defined, as '1-space playing the role of dimension'.
2. 2-space in the role of dimension makes a spatial order.
3. 3-space is a linear order space within a 3 dimensional frame of 3 linear dimensions (axes).
4. 4-space is a set up within a 4 dimensional frame of quadruple spatial dimensions.
5. 3-space has 4-space as origin, while 1-space has 2-space as origin.
6. 2-space plays the role of dimensions of 4-space.
7. In the background the poser is whether ir-rational numbers are part of linear order set up or of spatial order set up or of both.
8. This poser deserve to be answer properly has modern mathematics is forcing ir-rational number

together with rational numbers to make a linear order continuum.

9. Modern mathematics, as such does not define a relation numbers accepts that all those number which are not relation is not irrational number.
10. This definition and approach inherently presume as if there is prior knowledge available as what is the wholesome domain of which relational number or a part.
11. If the wholesome domain is known as capital R then r-r-q (rational) get determine as a rational.
12. However the difficulty is that only q is known and in the absence of knowledge of r, r-q is being taken as a definite part of the same domain along with Q.

### LESSON-106 SIDES AND DIAGONAL

13. Modern mathematics is approaching sides and diagonals (of a square) being constituted by identical constituents.
14. However, the side is a boundary component of square has a 2-space body / hyper cube 2, while diagonal is for it's in between set up between the pair of corner points of points of a surface (area) of a square / domain fold of hyper cube 2.
15. One may have a pause here and to take note that edge as such is a set up of 1-space in the role of boundary fold of hyper cube 2, while in between portion of the diagonal of the square is a set up of

domain fold of hyper cube 2 (2-space as domain of hyper cube 2).

16. This that way bring to focus a clear distinction, as that in between portion of the edge (between the pair of corner point) being a 1-space set up, while the in-between portion of a diagonal, between the pair of corner point) is a 2-space set up.
17. As such but for the corner point's edges and diagonal of a square are diagonal are distinct dimensional set up.
18. As for as the corner point of concern, the same are emerging as the common meeting point in both cases.
19. Here as well point being a zero space entity and their being an availability of pair of points having being supply by a pair of edges, and such the synthesis pair of zero dimensional set ups leads to a spatial set up (as zero space plays the role of dimension of 2-space and  $(0, 0) = 2$  leads to a synthesis value for the set up of a spatial order).
20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above feature and values of distinctive nature of edges and diagonal of square / hypercube 2, the representative regular body of 2-space.



**LESSON-107**  
**MATHEMATICS OF  $\sqrt{2}$**

21. To properly appreciate the mathematics of  $\sqrt{2}$ . Let us, first visit  $1 \times 1 = 1^2 =$  area unit, which is different than that of a length unit.
22. Further, let us distinctively comprehend and imbibe the distinctiveness of a pair of values sequences:
  - (I) (0, 1, 2, 3, 4, 5, 6 ...).
  - (II) (0x1, 1x1, 2x1, 3x1, 4x1, 5x1, 6x1 ...).
23. The above first sequence goes parallel to a flow stream which may be phased has of steps (A, B, C, D, F ...).
24. The above second values sequence accepts expression has a pair of parallel flow stream permitting phased steps as under:
  - (A B C D E F ...).
  - (a b c d e f ...).
25. For comparative study of above both flow sequences, it may be taken has that the upper flow stream (A,B,C,D,E,F ...) as under represent the first value flow sequence and the pair of flow of expression as under represent the second value sequence flow:
  - (A B C D E F ...).
  - (a b c d e f ...).
26. Taking that the above pair of flow of line together are making square unit has (Aa,Bb) has of edges of a first square unit, (Bb,Cc) has pair of edges of second square unit and so on.

## Transcendental content

27. (Ab) is the diagonal of first square unit, (Bc) is the diagonal of second square unit and so on.
28. The sides of these square units are of unit 1 each.
29. The diagonal of these square units are of values  $\sqrt{2}$  each.
30. One may have a pause here and to take note that the pair of flow line (A, B, C, D) and (a, b, c, d) are the set up of unit value 1 phases.
31. However, the diagonal flow is of unit value  $\sqrt{2}$  phases.
32. The pair of unit value '1' phases each are straight flow stream. While the diagonal flow stream of phase units  $\sqrt{2}$  is not a straight line flow stream and the same is sandwiched in between the pair of straight line flow stream.
33. The poser is how it can be justified that 2-space formatted diagonals superimposition upon straight line set up makes a justifiably unified set up of rationals and ir-rationals to constitute the wishful real numbers domain, has is being blissfully accepted by modern Real Analysisists.
34. This pair of source value fountain a sequence of number value flow stream:  
[{(0, 1) as 1}, {(0, 1, 2) as 2}, {(0, 1, 2, 3) as 3}, {(0, 1, 2, 3, 4) as 4} ...].
35. Parallel to it emerges:  
[{(point, line) as line}, {(point, line, surface) as surface}, {(point, line, surface, solid) as solid}, {(point, line, surface, solid, hyper solid) as hyper solid} ...].
36. One may have a pause here and to permit the transcendence mind to continuously remain in prolonged sitting of *trans* to glimpse and imbibe the above formatted feature values of Vedic mathematics values steps.
37. A step head, it will take us to parallel set ups:  
[{(hyper cube 0, hyper cube 1) in hyper cube 1}, {(hyper cube 0, hyper cube 1, hyper cube 2) in hyper cube 2}, {(hyper cube 0, hyper cube 1, hyper cube 2, hyper cube 3) in hyper cube 3}, {(hyper cube 0, hyper cube 1, hyper cube 2, hyper cube 3, hyper cube 4) in hyper cube 4} ...].

### LESSON-108

#### VEDIC SYSTEMS CHASE STEPS

34. Ganita Sutra 1 is the source sutra and Ganita Upsutra 1 is the source Upsutra.
35. Ganita Sutra 1 is of value of sequential progression ordering, while Ganita upsutras is of value of proportionality symmetry by following the form as it is framed.



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**'1 AS 2 & 2 AS 1'**

This day the course focus is upon '1 as 2 & 2 as 1'. It four folds aspects being taken up are as follows:

- 161.1 as 2 and 2 as 1
- 162. Internal structure of 3-space domain
- 163. Dynamic state domain fold
- 164. Shift from linear order

The values being covered are to be taught as lessons numbers 109 to 112 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-109****'1 AS 2' & '2 AS 1'**

- 40. Sequential dimensional spaces have sequential unit.
- 41. 3-space is a linear order space and it has '1 as 1' being its unit.
- 42. 4-space is a spatial order space and it has a pair of unit '2 as 1 and 1 as 2', which together, in the context of linear order set up, lead to '1/2' as a working unit.
- 43. One may have a pause here and to take note that it brings to focus that with points / zero space bodies, as first generation unit, lead to lines as 1-space bodies as next generic units as gap unit of the points, counts, sequences.
- 44. The insertion of points at the middle placements of the gets off point count, will result into a 3 point fixation for the pair of counts as well as the gaps and their by there would be the attainment of linear order continue.
- 45. One may have a pause here and to take note that one space has 3 geometries range and parallel to it, there are 3 versions of hyper cube 1. In the context, it would also be relevant to take note that the above organization arrangement coming out with insertion of a point in the gap in between the pair of point shall be making the middle of the gaps as flushating middle point.
- 46. Further as per, this arrangement, the set up of a pair of point and gaps in between, as a set up of triple points will make the set up of a pair part of which the first part will be the would be of a reach from first point up till the middle point, the second part will be of a reach from middle point to the second point.
- 47. One may further have a pause here and to take note that each of the emerging pair of parts, in itself becomes a triple set of a pair of points and gaps in between and same as well will leads us to a pair of sub-sub part of each part.
- 48. The middle sub-sub part of both the part together will make a set up equal to one complete part which make be designated as third part.
- 49. From 3 versions of a closed interval 'hyper cube 1/ 1-space body', we have reached a set up of a pair of part with 3<sup>rd</sup> part superimposed at middle making it a set up of 3 parts.
- 50. This a pair of situated of 3 versions of a closed interval and of 3 part with 3<sup>rd</sup> part superimposed middle at the closed interval, deserve to be comprehended well for its chase while going to be a shift from the set up of hyper cube 1 (closed

## Transcendental content

- interval to the second set up of a square).
51. Square accepts organization as set up of quadruple, quarter square.
  52. This organization of quadruple quarter square accepts superimposition of another quarter at the middle and their by becomes an organization arrangement of five quarters for hyper cube 2.
  53. One may have a pause here and to take note that hyper cube '1' has an organization arrangement of 3 part permits sequential transition to the organization arrangement five quarter set up of hyper cube 2.
  54. One may further have a pause here and to take note that a step head, the organization arrangement of hyper cube 3 comes to be a set up of 9 octaves with ninth octave superimposed upon superimposed at the middle of the set up of 8 octaves of cube / hyper cube 3.
  55. One may have a pause here and to take note that sequentially we are transiting from '1 as 1' unit set up of liner order 3 space to '2 as 1' & '1 as 2' pair of unit of spatial order of 4-space leading to  $(\frac{1}{2})$  as its working unit. And a step head, solid order makes available a set of 4 units (3 as 1 and 1 as 3), further (3 as 2 and 2 as 3).
  56. One may have a pause here and to take note that these four units has a paired pairs, as a pair of part shall be inherently having acceptation for the third part in the form of '1 as 2 and 2 as 1'.
  57. With this, '1/3' will emerge the working unit.
  58. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to fully glimpse and imbibe the format features values of this sequential organization arrangement of hyper cube 1, 2 and 3 together making a system.
  59. To appreciate emerging values of this system let us have a fresh visit to the first counts (1, 2, 3, 4, 5, 6 ...) and the second gaps generic counts : (1,  $3/2$ , 2,  $5/2$ , 3,  $7/2$ , 4 ...).
  60. The spatial order reach of the gaps counts generic (1,  $3/2$ , 2,  $5/2$ , 3,  $7/2$ , 4 ...) shall be leading us to emerging value sequence (2, 3, 4, 5, 6, 7, 8 ...).
  61. It would be blissful to compare the pair of values sequences:  
(I) (1, 2, 3, 4, 5, 6 ...)  
(II)(2, 3, 4, 5, 6, 7 ...)
  62. It would be a blissful to note that linear order values sequence begins with values 1 and sequentially progress as (1, 2, 3, 4 ...).
  63. While the spatial order values sequence begins with 2 and the same sequentially progresses has (2, 3, 4, 5, 6 ...).
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### LESSON-110 INTERNAL STRUCTURE OF 3- SPACE DOMAIN

64. The internal structure of 3-space domain is the net sum up of the restrictive contribution of dimension fold, boundary fold and of the origin fold of hyper cube 3.

65. Dimension fold of hyper cube 3 is manifesting a linear order dimensional frame of 3 linear dimensions.
66. Boundary of hyper cube 3 is manifesting an enveloping frame for 3-space domain has a set up of 6 surface plate / 6 spatial components.
67. Origin fold of hyper cube 3 is a spatial order creative space and same permits two fold transcendence.
68. Linear order of 3-space domain, transcendence through the spatial order of origin folds and has a reach up till solid order base.
69. As a reverse process, the solid orders of base ascend up ward through the spatial order origin (4-space as origin) and it gets superimposed upon the linear order of the domain fold.
70. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the emerging organization formats features values of domain fold.
71. 8 corner points get paired has quadruple pairs of end points of quadruple internal diagonals of cube.
72. In each of the corner points of the cube is embedded a 3 dimensional frame of half dimensions of inward orientations.
73. Further as that, for the pair of such 3 dimensional frame embedded in the end point of a diagonal translate availing diagonal has a translation path.
74. Let us chase translation of a pair of 3 dimensional frame translation inward and with their reach at the centre of the cube, the same getting synthesized has a 3 dimensional frame of full dimensions.
75. One may have a pause here and to take note that, this way, all the eight 3 dimensional frame of half dimensions gets synthesized as quadruple as 3 dimensional frame of full dimensions.
76. These quadruple 3 dimensional frame together with the 3 dimensional frame all ready there with, its origin and the centre of the cube, makes a set up of five 3 dimensional frame of full dimensions.
77. One may further have a pause here and to take note that the availability of set up of 5 solid dimensional frame is parallel to dimensional frame of 5-space of a solid dimensional order and same bring us face to face with the feature values being there in the internal structure of set up of the cube which makes it an integrated entity and same to play the role of a solid



### LESSON-111

#### DYNAMIC STATE DOMAIN FOLD

71. To appreciate dynamic state 3-space domain in its dynamic state first of all it is to be appreciated has to how its internal structural permits it to remain and integrated units.
72. Let us have a revisit to the internal structural set up of a cube (hyper cube 3).

## Transcendental content

dimension of transcendental domain (5-space).

80. With it, the dynamic state for the 3-space domain, as such becomes of a format feature value  $(1+3) + (1 \times 3) + 1 = 7$ .
81. This value 7 of the dynamic state of 3-space domain is there toward single linear dimension of cube.
82. That way the total dynamic value of 3-space domain towards all the 3 linear dimensions comes to be  $3 \times 7 = 21$ .
83. As this dynamic state on its creation and reach as dimension of transcendental domain (5-space), it shall be reaching a value  $21+5 = 26$ .
84. One may have a pause here and to take note that 3-space as dimension create 5-space with 6-space as origin.
85. The reach up till 6-space along the Sathapatya measuring rod is of a reach steps  $(1+2+3+4+5+6) = 21$ .
86. Further as that to be through the orb of sun (6-space), which is of a transcendental order unit state, as such to be through orb of the sun it shall be making a reach of value  $21+5 = 26$ .
87. One may have a pause here and to take note that the reach up till the sun is a 6 sequential progressive steps of values (1, 2, 3, 4, 5, 6).
88. Then the reach through the sun for reach other side of the sun will be a value step of value  $21+5 = 26$ .
89. And hence fourth, there would be a sequential increase of value 5, 4, 3, 2, 1 respectively.
90. This shall be making a complete range of step up till the sun and back from the other side of the sun as a range of 12 steps long coverage as of values range (1, 2, 3, 4, 5, 6, 5, 5, 4, 3, 2, 1) of summation value 41 parallel to the affine state format of a measuring rod synthesized by hyper cubes 1 to 4 within 4-space domain in the role of dimension of 6-space.
91. Further that, as per the progression reach of above step, the value range will come to be (1, 3, 6, 10, 15, 21, 26, 31, 35, 38, 40, 41).
92. One may have a pause here and to take note that this value 41 has the gaps counts shall be leading us to the value  $41+1 = 41$ .
93. One may further have a pause here and to take note that value 42 is parallel to the synthesis value of a pair of spatial order transcendence ranges (2, 3, 4, 5, 6) and (2, 3, 4, 5, 6) with synthesis glue value 2 parallel to spatial order.
94. One may further have a pause here and to take note that linear order 3-space set up is of value 31 parallel to synthesis of pair of linear order transcendental ranges (1, 2, 3, 4, 5) availing synthesis glue value 1 parallel to linear dimensional order.
95. It would be blissful to take note that transition from linear order 3-space to spatial order 4-space is there because of the static state 3-space domain transition and transformation into a dynamic state of 3-space domain.
96. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* to glimpse and imbibe the values of above phenomenon and to evaluate the

modern mathematical approach and Vedic Mathematical approach to the linear continuum and transition and transformation there from to a spatial dimensional order. ■

### LESSON-112

#### A SHIFT FROM LINEAR ORDER

1. A shift from linear order bring within spatial and higher order.
2. Spatial order has the availability of a pair of measure '2 as 1 and 1 as 2'.
3. Because of a pair of measure it simultaneously leads to a pair of progression flow stream.
4. As such, to meet the same system requirement are meet by simultaneously handling a pair of values, say (n and n+1) and parallel to it, to have a simultaneously handling of a pair of dimensional spaces (contents), as well as, there representative regular bodies has a progressing format.
5. A shift from a linear order that way amounts to a shift from a linear dimensional order system to a simultaneous system for handling spatial and solid orders at a time.
6. This gives rise to a set up of hyper cube 2 and hyper cube 3 to provide a combined processing format.
7. One may have a pause here and to take note that hyper cube 3 accepts 2-space in the role of boundary and 3-space in the role of domain.
8. As such, the boundary fold and domain fold would be available has a simultaneously available a combined processing format.

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### **TRIPLE DIMENSIONAL FRAME**

This day the course focus is upon 'Triple dimensional frame'. Its four folds aspects being taken up are as follows:

- 165. Combined processing format of boundary and domain
- 166. Dual status of centre of a square
- 167. Location of triple dimensional frame at the centre of a square
- 168. Square and circle

The values being covered are to be taught as lessons numbers 113 to 116 to the students of 4-space Vedic Mathematics, Science & Technology.

#### **LESSON-113 COMBINED PROCESSING FORMAT OF BOUNDARY AND DOMAIN**

- 9. The combined processing format of 2-space as boundary and 3-space domain, also further bring us face to face with the combined format of 2-space as domain and 3-space as origin.
- 10. This combined format as of 2-space domain and 3-space origin makes origin of 2-space being of special attention as the same in the context of square makes a dual status for the centre of a square.

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#### **LESSON-114 DUAL STATUS OF CENTRE OF A SQUARE**

- 11. Centre of a square is of a dual status.
- 12. Firstly, centre of square is like any other point of the surface of the square.

- 13. Secondly, centre of the square is distinct that other point as much as that the centre is equidistant from all the corner point while no other point of the surface has this feature.

■

#### **LESSON-115 LOCATION OF TRIPLE DIMENSIONAL FRAME AT THE CENTRE OF A SQUARE**

- 14. Each of the four corner point of the square is embedded a 2 dimensional frame of half linear dimensions.
- 15. These quadruples half dimensional frames get paired has to pair by the pair of internal diagonal of a square.
- 16. Diagonal provide translation paths for the dimensional frames embedded in the ends points of the diagonals.
- 17. Pair of dimensional frames on translation and with a reach at the centre gets synthesized and constitute a 2 dimensional frame of full linear dimensions.
- 18. This way, there emerges to such synthesized dimensional frames of full linear dimensions.
- 19. This pair of dimensions together with a 2 dimensional frame of full dimension already available at the centre of square, it makes a set up of 3 such dimensional frames.
- 20. These 3 dimensional frames of a pair of full linear dimensions with centre of the square has the

common seat of placement for the origin, make centre being a set up of structure which format is no more available to any other point of the square.

21. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe these distinguishing features of centre of the square from other point of the square.

### **LESSON-116** **SQUARE AND CIRCLE**

22. Square and circle are two representative regular body of 2-space.
23. The domain boundary ratio in case of both square and circle accepts common formulation  $a^2:4b$ . This formulation has it is helps tame curvature, as much as that the curvature of that circumference (as well as of the surface area) gets jumped over with the technique of making area: circumference ratio as a computation technique.



30

**VARGA FORMULATION**

This day the course focus is upon ‘Varga formulation’. It four folds aspects being taken up are as follows:

- 169. Pair of faces of a surface
- 170. Varga formulation
- 171. Hyper cube 2 format
- 172. Spatial dimensional format

The values being covered are to be taught as lessons numbers 117 to 120 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-117**

**PAIR OF FACES OF A SURFACE**

- 24. Within, 3-space, surface has a pair of faces.
- 25. Parallel to it are the pairs of orientations.
- 26. Symmetry of organization format for the pair of orientations makes it mathematical possible to reach at the value of one orientation in terms of the values available for the other orientations.
- 27. Continuum to be worked out with simultaneous availability of counts and there gaps-counts as is the attainment of spatial order in terms of values flow streams pair of values steps (1, 3/2, 2, 5/2, 3, 7/2, 4, 9/2, 5 ...).

■

**LESSON-118**

**VARGA FORMULATION**

- 28. Ganita Sutras and upsutras avail Varga formulation.

- 29. Term Vargas’ is part of the text of Ganita Upsutra 7.
- 30. Term Varga literally means ‘square’.
- 31. Conceptually Varga is a representative regular body of 2-space.
- 32. Format wise representative regular body of 2-space is of feature and values of ‘hyper cube 2’.
- 33. But for this geometric format of a dimensional body, no other term / formulation regarding any other dimensional space body is availed in the text of Ganita Sutras and upsutras.
- 34. With it, the format of hyper cube 2 / square / Varga, and such conceptually becomes of a central focus in the processing formats of mathematical system of Ganita Sutras and upsutras.

■

**LESSON-119**

**HYPER CUBE 2 FORMAT**

- 35. Hyper cube 2 format is a four folds manifestation layer (0 space as dimensional, 1-space as boundary 2-space domain, 3-space origin).
- 36. This manifestation layer accepts 4-space as base.
- 37. One may have a pause here and to take note that 4 folds manifestation layer (0, 1, 2, 3), on transcendence there from, takes to a 5 folds transcendence range (0, 1, 2, 3, 4).
- 38. It would be blissful to take note that the summation value of four fold manifestation layer (0, 1, 2, 3) is 6 which is Surya Ank / sun number value.
- 39. Further as that, the summation value of 5 fold transcendence range



(0, 1, 2, 3, 4) is 10 and same is parallel to the summation value 4 folds manifestation layer (1, 2, 3, 4) of hyper cube 3.

40. One may have a pause here and to take note that it is this feature which deserves to be comprehended well as that the transcendence from the format of hyper cube 2 takes us to the format of hyper cube 3.
41. Still further as that the synthesis value of a pair of zero order transcendence ranges (0, 1, 2, 3, 4) and (0, 1, 2, 3, 4) takes to value 20 as the dimensional glue in case of zero order is zero.
42. One may further have a pause here and to take note that number value 20 is parallel to transcendental code value 20 and the prominent formulation accepting transcendental code value 20 are dev and Ved.
43. One may further have a pause here and to take note that amongst the different role of 2-space, its role as of a spatial dimensional order is of prominent significance as that spatial order create creative domain (4-space) and the same become the creative manifestation format.



### LESSON-120

#### SPATIAL DIMENSIONAL FORMAT

44. Let us revisit the set up of a square has a surface framed within a linear boundary of 4 components stitched by four corner points.
45. The surface area  $n^2$  is enveloped within boundary  $4n+4n^1+4n^0$ .
46. It would be a blissful to take note that entire structure is of the value  $n^2+4n^1+4n^0 = (n^1+2n^0)^2$ .
47. It would be blissful to take note that  $n$  as dimension creates  $(n+2)$  domain.
48.  $N \times n$  will take us to value  $(n+2) \times (n+2)$ .
49. One may have a pause here and to take note that surface area has a domain is of dimensional order '0'.
50. And the resultant value of reach  $n^2$  for its frame takes us to  $(n+2)^2$ , a unique manifestation of the linear boundary set up.
51. It would be a blissful to take note that linear boundary of 4 components accepts re-organization as  $4 = 1+3$ , and the take up off 3 components of the boundary shall be dimensioning outer space has a 3-space within a dimensional frame of 3 linear dimensions.
52. Further here it would also be relevant to take note that if 3 quarter squares are taken together they inherently bring in 4<sup>th</sup> quarter in its un-manifests state.
53. One shall sit comfortably and permit the transcending mind to continuously remain in trans and to glimpse and imbibe the above organization format features and to further revisit the internal structural set up of cube which simultaneously accepts a 3 dimensional frame of 3 linear dimensions and also accepts a 3 dimensional frame of 3 spatial dimensions.

## Transcendental content

54. One shall further revisit the surface within 3-space has a de-voided-void within a pair of faces of a surface of opposite orientation and in the process the curvature and other restriction of spatial order getting dissolved of their own.
55. It would be a blissful to visit and revisit above phenomenon and to evaluate has to why Vedic mathematics is successful to tame and to jump over curvature, orientation and de-voided-void.



### 31 GANITA SUTRA 7

This day the course focus is upon ‘Ganita Sutra 7’. It four folds aspects being taken up are as follows:

173. Sankalana-vyavakalanbhayam
174. Meaning of the text
175. Approaching the sutra, the sutra way
176. To reach at a format features values of this sutra

The values being covered are to be taught as lessons numbers 121 to 124 to the students of 4-space Vedic Mathematics, Science & Technology.

### LESSON-121 SANKALANA- VYAVAKALANBHYAM

1. Read the text word by word.
2. Re-site the text syllable by syllable.
3. Chase the text letter by letter.
4. Reach at the transcendental code value of the text.
5. Further, reach at the Vedic code of the text.
6. Still further, reach at the Brahman code of the text.
7. Classify the text by grouping the letters as vowels, consonants.
8. And by Yama letters.
9. Reclassify the consonants of the as Varga consonants, Antsha letter and Ushmana letter.
10. As per transcendental code values of letters, reach at geometric format of each letter.
11. With the help of transcendental code values of the letters and their geometric format, reach at the mathematical domain of the sutra.

### LESSON-122 MEANING OF THE TEXT

12. First meaning of the text is to be as per the simple rendering accepting by the text.
13. Simple English rendering of the text is: ‘by addition and by minus’.
14. The second reach at the meaning of the text shall be in the form of the emerging working rule parallel to the rendering of the text itself.
15. That way, the working rule of the sutra comes to be that ‘addition and minus’ operations to hold simultaneously, taking that these are happening in the same domain, say alone a line (1-space domain in the role of measure of 3-space).
16. Further meanings of the sutra will takes us face to face with the internal structural organization of the text of the sutra.
17. It is here where one will may face to face with the start with challenge of the mathematical domain of the sutra.
18. To appropriately meet the challenge, one shall approach the sutra, the sutra way. ■

### LESSON-123 APPROACHING THE SUTRA, THE SUTRA WAY

19. Initially features and values of this sutra way to approach this sutras are:
  - (I) It is 7<sup>th</sup> sutra, and as such number value 7 gets associated with it and as such number

## Transcendental content

value 7 be taken as the feature of structural organization of the sutra.

(II)Text of the sutra avails 24 letters and as such number value 24 as well gets associated with the sutra and there by number value 24 becomes the another feature of structural organization of the text of this sutra.

20. Like that, the sequential placement of 24 letters of the text of the sutra will, more intimately bring us face to face with the internal structural organization feature of the text of this sutra and its mathematical domain and its processing chase steps.
21. As transcendental code, Vedic code and Brahman code supply values to each letter, as such these values will further bring us more intimately to face to face with the internal structural set up, as well as the mathematical domain and processing system of this mathematical domain.

■

### **LESSON-124 TO REACH AT A FORMAT FEATURES VALUES OF THIS SUTRA**

22. This sutra being the part of the organization of Ganita Sutras, as such, to reach at the format features values of this sutra, one is to begin the way approach to Ganita Sutras permits. It accepts

sole syllable Om has the initiation step.

23. Sole syllable Om permits Divya Ganga Parvaha through its artifices and their by avails transcendental domain at its centre has the source reservoir of transcendental code values.
24. One may have a pause here and take note that sole syllable Om accepts has an organization of Bindu Sarowar, Ardhmatra, Tripundrum and Swastik Pada.
25. Further as that, Divya Ganga Parvaha avails quadruples values (9, 7, 3, 1).
26. One may have a pause here and take note that the quadruples values (9, 7, 3, 1) accepts paired pairs organization: [(9, 7), (3, 1)].
27. One may further have pause here and take note that this organization bring to focus that this paired pair is having a transcendental joint (5 value joint) of middle placement and their by makes Divya Ganga Parvaha has a 5 folds transcendental flow (9, 7, 5, 3, 1) of summation value  $9+7+5+3+1 = 25 = 5^2$ .
28. One shall sit comfortably and permit the transcending mind to continuously remain in a prolonged sitting of trans and to glimpse and imbibe the above values.

■

## Section-4

### 5-space

1. Transcendence domain
2. Real 5-space
3. Fifth state element
4. Transition from four folds to five folds
5. Text sutras 8 to 11 & ganita upsutra 10 & 11
6. Values eight as a unit
7. Transcendental reality
8. Values of triple [(1x1), (1+1) and (1, 1)]
9. Transcendental base within creator's space
10. Sequential progression of intelligence
11. Phased learning of vms & t
12. Transcendental existence
13. Glimpse 5-space
14. Lord ganesha and lord skands

# Section-4

## 5-space

1 Page 327

### TRANSCENDENCE DOMAIN

1. Vedic Mathematics transcendental domain mathematics introductory
2. Technical terms
3. Transcendence
4. Dynamic transcendental body

2 Page 332

### REAL 5-SPACE

5. Synthesis of transcendental dimension
6. Pentagon
7. Hyper cube 5
8. Real 5-space

3 Page 336

### FIFTH STATE ELEMENT

9. Akash is fifth state element
10. Eleven versions of hypercube 5
11. Transcendental boundary of 12 components
12. Transcendence within domain

4 Page 342

### TRANSITION FROM FOUR FOLDS TO FIVE FOLDS

13. Transition from four folds manifestation layer to five folds transcendence range
14. Introduction to 5 space mathematics
15. Transcendence features

16. Lesson 3 introduction Ganita Sutras 8 to 11 and Ganita Upsutra 10 and 11.

5 Page 345

### TEXT SUTRAS 8 TO 11 & Ganita Upsutra 10 & 11

17. Text of Ganita Sutras 8 to 11 and Ganita Upsutras 10 and 11.
18. Dynamic circuit for transcendence reaches.
19. Dimensional synthesis values reach
20. Gaps bridging of dimensional synthesis reach

6 Page 355

### VALUES EIGHT AS A UNIT

21. Value eight as unit
22. Numbers values formulations
23. Introductory of real 5-space
24. Transcendental reality general

7 Page 362

### TRANSCENDENTAL REALITY

25. Transcendental reality
26. Consciousness states
27. 5-space existence phenomenon
28. Transition from format of Lord Brahma to format of Lord Shiv.

8 Page 366

### VALUES OF TRIPLE [(1x1), (1+1) AND (1, 1)]

29. Values of triple [(1x1), (1+1) and (1, 1)]
30. General
31. Transcendence within transcendental domain
32. Transcendence flow path values formats

**9 Page 369****TRANSCENDENTAL BASE  
WITHIN CREATOR'S SPACE**

- 33. Vedic mathematics.
- 34. Transcendental base.
- 35. Transcendental base within creator's space.
- 36. Transcendence range as translation path.

**10 Page 372****SEQUENTIAL PROGRESSION OF  
INTELLIGENCE**

- 37. Sathapatya measuring rod format.
- 38. Reach steps.
- 39. Vedic mathematics values dissemination range.
- 40. Sequential progression of intelligence.

**11 Page 377****PHASED LEARNING OF VMS & T**

- 41. Chase along the format of sequential of order of range: (linear order).
- 42. Distinctiveness of differently ordered domain.
- 43. Sequentially phased learning and teaching of VMS & T:
  - a. School level.
  - b. Graduation level.
  - c. Post graduation level.
- 44. 3-space VMS & T.

**12 Page 383****TRANSCENDENTAL EXISTENCE**

- 45. Transcendental Existence
- 46. Transcendental Domain
- 47. Idol of Lord Shiv

- 48. Eka-Dwadash Rudras

**13 Page 387****GLIMPSE 5-SPACE**

- 49. Dwadash Adtiyas
- 50. To Glimpse 5-space
- 51. Cube Sequence
- 52. Quadruple Formulation (Shiva, Parvati, Skands, Ganesha).

**14 Page 391****LORD GANESHA AND LORD  
SKANDS**

- 53. Formulation Ganesha
- 54. Formulation Skands



## Transcendental content

### 1

#### **TRANSCENDENCE DOMAIN**

This day the course focus is upon 'Transcendence Domain'. Its four folds aspects being taken up are as follows:

5. Vedic Mathematics transcendental domain mathematics introductory
6. Technical terms
7. Transcendence
8. Dynamic transcendental body

The values being covered are to be taught as lessons numbers 1 to 4 to the students of 5-space Vedic Mathematics, Science & Technology.

#### **LESSON-1**

#### **VEDIC MATHEMATICS**

#### **TRANSCENDENTAL DOMAIN MATHEMATICS INTRODUCTORY**

1. T.D.M. is mathematics of 5-space domain.
2. 5-space domain is the domain fold of hypercube 5.
3. Domain fold of 5-space is of 5-space contents.
4. T.D.M as such is the mathematics of 5-space contents lump.
5. 5-space content lump is having its every constituent being is 5-space content.
6. Every constituent (point) is a 5 space content lump.
7. Point of 5-space domain is a structure point fulfilled with 5 space content.
8. 5-space domain is a set of structure point of 5-space contents.
9. T.D.M is the mathematics of set of 5 space content lump.
10. Points of 5 space domain or designated as transcendental point (T.Ps).

11. T.Ps set on a line (1-space body format) structure a transcendental line (T.L.).
12. T.Ls constitutes a transcendental plane.
13. Transcendental plane structure transcendental solid.
14. Transcendental solid structure transcendental creative domain.
15. Transcendental creative domain constitute transcendental domain.
16. Transcendental domain structure transcendental self referral domain on the format of self referral domain of hypercube 6.
17. This is the role of 5-space as boundary of 6 space.
18. 5 space domain place different roles, as of transcendental fold, transcendental boundary fold, transcendental domain fold, transcendental origin fold, transcendental base, transcendental, transcendental state.
19. Transcendental natural source, transcendental Brahman reservoir of values for the transcendent existence phenomenon.

#### **LESSON-2**

#### **TECHNICAL TERMS**

1. Number value 5.
2. 5-space.
3. 5 space content.
4. 5 space body.
5. Hypercube 5.
6. 3 space as domain fold.
7. 4 space as boundary.
8. 5 space as domain.
9. 6 space as origin.
10. 7 space as base.



11. 8 space as format.
12. 9 space as state.
13. 10 space as source.
14. 11-space as reservoir.
15. Transcendental dimension.
16. Transcendental boundary.
17. Transcendental domain.
18. Transcendental origin.
19. Transcendental base.
20. Transcendental format.
21. Transcendental state.
22. Transcendental source.
23. Transcendental reservoir.
24. Transcendental domain point.
25. Transcendental point.
26. Transcendental line point.
27. Transcendental line surface.
28. Transcendental surface solid.
29. Transcendental solid creative domain.
30. Transcendental carriers.
31. Transcendental range.
32. Transcendence.

11. Synthesis of hypercube 1 to 5.
12. Zero as whole number value.
13. Zero dimensional value space.
14. Split of transcendental dimensional frame.
15. Infinite sequence of infinite sequences of as transcendental surface.
16. Static transcendental body.
17. Dynamic transcendental body.
18. Motion of transcendental body along with transcendental dimension frame.
19. Pentagon format.
20. Dynamic transcendental body swaps space along pentagon format.
21. Inner pentagon of internal diagonals cross-point.
22. Transcendence along pentagon format.
23. Infinite range transcendence along pentagon format.

■

### LESSON-3 TRANSCENDENCE

1. Transcendence.
2. Transcendence through origin.
3. Transcendence within domain.
4. Transcendental domain split spectrum.
5. Transcendental dimension synthesis.
6. Ascendance from transcendental base.
7. Superimposition of solid order upon spatial order.
8. Takeoff from transcendental boundary.
9. Transcendental boundary as a 12 place value format.
10. Measuring rod of transcendental domain.

■

### LESSON-4 DYNAMIC TRANSCENDENTAL BODY

1. 5-space body is of solid order as 3-space place the role of dimension of 5-space.
2. Dimensional frame of 5-space is a set of 5 solid dimension leading to value  $3 \times 5 = 15$ .
3. Motion of transcendental body (5-space body) along solid dimension will be leading value  $5 + 3 = 8$ .
4. This makes total value for transcendental body within its dimension frame as  $8 + 15 = 23$ .
5. This motion of transcendental body along solid dimension body format leads to the setup of creative

## Transcendental content

dimension order format (4-space of dimension of 6-space).

6. Dynamic state self referral body (6-space body, shall be leading to value  $[(4+6) + (4 \times 6)] = 34$ .
7. The total value for motion of transcendental body along all the five dimension comes to be  $23 \times 5 = 115$
8. The total value for motion of self referral body along all the six dimension comes to be  $34 \times 6 = 204$
9. The difference of above values comes to be  $204 - 115 = 89$
10. It would be blissful exercise to chase above sequential phenomenon of dynamic state hypercube
11. It would be blissful to note that the emerging values permit tabulation value as under;

S = Serial Number, O = Order, B = Body, DV = Dynamic Value, D = Difference

S	O	B	DV	D
1	1 space	3 space	$3(1+3+1 \times 3) = 7$	-
2	2 space	4 space	$4(2+4+2 \times 4) = 56$	35
3	3 space	5 space	$5(3+5+3 \times 5) = 115$	59
4	4 space	6 space	$6(4+6+4 \times 6) = 204$	89
5	5 space	7 space		

6	6 space	8 space		
7	7 space	9 space		
8	8 space	10 space		
9	9 space	11 space		
10	10 space	12 space		
11	11 space	13 space		

It would be blissful exercise to complete above table:

12. It would be further blissful to revisit to difference value coulomb and to comprehend imbibe to virtue of these values
13. The value 35 expect to recognized as  $5 \times 7$  which parallel to value of 7 transcendental dimension of unity state (7 space) dimension frame
14. It would further blissful to take note that value 35 is parallel to transcendental code value 35 of formulation udgith which is the fifth stage synonym of range(Om, Pranava, Aum, Omkar, udgith)
15. The above table tabulation comes to be as under  
S = Serial Number, O = Order, B = Body, DV = Dynamic Value, D = Difference

S	O	B	DV	D
1	1 space	3 space	$3(1+3+1 \times 3)$ =7	-
2	2 space	4 space	$4(2+4+2 \times 4)$ =56	35
3	3 space	5 space	$5(3+5+3 \times 5)$ =115	59
4	4 space	6 space	$6(4+6+4 \times 6)$ =204	89
5	5 space	7 space	$7(5+7+5 \times 7)$ =329	125
6	6space	8 space	$8(6+8+6 \times 8)$ =496	167
7	7space	9 space	$9(7+9+7 \times 9)$ =711	215
8	8 space	10 space	$10(8+10+8 \times 10)$ =980	269
9	9 space	11 space	$11(9+11+9 \times 11)$ =1309	329

10	10 space	12 space	$12(10+12+10 \times 12)$ =1584	275
11	11 space	13 space	$13(11+13+11 \times 13)$ =2171	587

16. One may have a pause here and take note that transcendence range of transcendental order namely (5, 6, 7, 8, 9) is of summation value 35.
17. The difference value 35 above, and summation value 35 above, disuse to be revisited.
18. Likewise the dynamic value 496, with otherwise a perfect number, also deserve to be comprehended well.
19. Still further the dynamic value 329 and the difference value 329 also deserve to be comprehended well to their proper appreciation.
20. One shall visit and revisit the above tabulated values of dynamic stat of different hypercube setups.
21. These values, as such determine transcendental carriers reach along the synthesized path of hypercube as per the format of Sathapatya measuring rods.
22. The difference values at each step as well deserve to be revisited to appreciate their geometry basic. Also the sequential organization of the difference values and their geometry basic also diverse to be comprehended well to acquire

## Transcendental content

proper insight and enlivenment about the phenomenon of transcendental carriers.

23. The formulation three, domain, light, equal, deserve to be comprehended well.
24.  $NVF$  (three) =  $NVF$  (domain) =  $NVF$  (light) =  $NVF$  (air, air) = 56.
25. Light as (Air, Air) = equal.
26.  $28 = 1+2+3+4+5+6+7$ .
27.  $TCV$  (Sapt) = 14 = 2+3+4+5, which is parallel to 4 fold manifestation layers (2, 3, 4, 5) of hypercube 4.
28.  $TCV$  (Brahm) = 28 =  $1+2+4+7+14 = [(1+2+4) + 7] + [14]$ .
29. One shall sit comfortably and permit the transcendence mind to glimpse and imbibe the values of these features.



## 2

**REAL 5-SPACE**

This day the course focus is upon 'Real 5-space'. It four folds aspects being taken up are as follows:

9. Synthesis of transcendental dimension
10. Pentagon
11. Hyper cube 5
12. Real 5-space

The values being covered are to be taught as lessons numbers 5 to 6 to the students of 5-space Vedic Mathematics, Science & Technology.

### LESSON-5 SYNTHESIS OF TRANSCENDENTAL DIMENSION

1. Transcendental dimension sequentially leads to synthesis values (15, 10, 5, 0, -5, -10, -15, ---) for 5 dimension of linear, spatial, solid, creative, transcendental and higher dimensional order.
2. Dimension of zero order, 5 in number, yield (20) as synthesis value.
3. Negative dimensional order sequential (-1, -2, -3, -4, -5, ---), of 5 dimension of respective order lead to synthesis values (25, 30, 35, 40, 45, ---) respectively.
4. One may have pause here and take note that 5 dimensions of creative order (4-space as dimension) leads to synthesis value (0).
5. 5 transcendental dimension (5-space as dimension) lead to synthesis value (-5).
6. For higher dimensional order, synthesis value or of sequent (-10, -15, -20, --).
7. One may have pause here and take note that each step from given a dimensional order to next dimensional order, the difference of synthesis value is (5).
8. One shall sit comfortable and permit to synthesis and to comprehend and imbibe this feature of sequent of synthesis value of 5 dimension of all dimensional order.

### LESSON-6 PENTAGON

1. All the internal diagonals pentagon construct internal pentagon.
2. This leads to add – infinitum feature of inner range of pentagon being sequential constructed with intersection inter diagonal at each step.
3. It would be blissful to take note that each corner point of pentagon there is coordination with other 4 corner point.
4. This lead to coordination arrangement for all the 5 corner points, in respect to every corner point, as that a given corner point coordinate to other coordinate in term of a pair of side of the pentagon further in term of a pair of internal diagonals emanating from the corner points.
5. One may have further pause and take note that 3 corner points stand coordinate in term of side of the pentagon, while remaining the value of corner point to coordinate in term of internal diagonal.
6. This organization features deserve to be appreciated parallel to

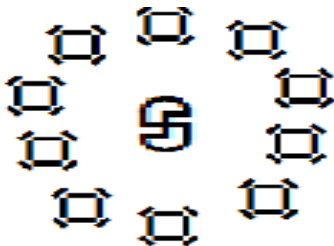
## Transcendental content

organization feature of number value 23.

7. As this values if available in reference to each of the 5 corner points as such this would lead to value  $23*5=115$ .
8. One may have further have pause and take note that the dynamic value. Hypercube 5 as 5-space body within dimensional frame of 5 solid dimensions. Sweeping space along the format of pentagon of value  $23x5 = 115$ .
9. It would be a blissful exercise to visit and revisit above organization feature of hypercube 5, in its dynamic state, sweeping, space along pentagon format.
10. Further it is blissful to comprehend parallel feature of number value 5, 5-space, 5-space domain, hypercube 5, dynamic state of hypercube 5, pentagon format and sequential range of inner pentagon, which in it limiting state making centre of pentagon being enveloped by a pentagon a center itself being the collapse point of all the all the corner point of the pentagon.



### LESSON – 7 HYPER CUBE – 5



1. Hyper cube 5 is the representative regular body of 5 space as

manifesting within 4 space along the four fold creation format of idol of Lord Brahma, presiding deity of real 4 space.

2. hyper cube 5 is a four folds manifestation layer ( 3, 4, 5, 6)/3 space in the role of dimension, 4 space in the role of boundary, 5 space in the role of domain & 6 space in the role of origin.
3. Hyper cube 5 is of a solid dimensional order (3-space in the role of dimension, while 4 space is a spatial order space (2-space playing the role of dimension of 4-space)
4. As 5-space plays the role of origin of 4-space, as such during transcendence at origin of 4-space, a solid order gets super imposed upon the spatial order of 4-space.
5. The solid dimensional frame of 5-space is of 5 solid dimensions.
6. The creative boundary (4-space as boundary) of hyper cube 5 is of 5 components.
7. 6-space plays the role of origin of 6-space and same manifests as origin fold hyper cube 5.
8. Transcendence takes place at origin fold of hyper cube 5 and same takes to 7-space as base fold of origin fold of hyper cube 5.
9. Creative boundary of hyper cube 5 with its strip off manifests and creates 6 dimensional frame of creative order (4-space in the role of dimension) of self referral domain (6-space domain).
10. One shall sit comfortably and permit the transcending mind to glimpse, comprehend and imbibe this phenomenon of 5-space reality

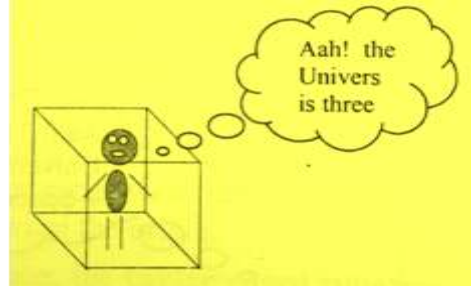
and manifestation of hyper cube 5 as its representative regular body.

11. One shall further comprehend and imbibe the manifestation format of hyper cube 5 being parallel to the format features and values of idol of Lord Shiv, 5 head transcendental lord with 3 eyes equipped in his each head.
12. One shall initiate one's learning of Mathematics, Science and Technology of 5-space by first comprehending the reality of existence of real 5 space itself.
13. For it , first one shall comprehend the existence of reality of 4 space with its seat at origin of 3 space, and then at next step one shall comprehend existence of 5 space reality with its seat at origin of real 4 space.
14. For it, one may begin with a reach at centre of cube being parallel to the origin of 3-space and then a step ahead one shall reach at centre of hyper cube 4 as a seat of origin of 4-space.
15. Thereafter one shall reach at 4-space as origin of 3-space and a step ahead, 5-space being the origin of 4-space.

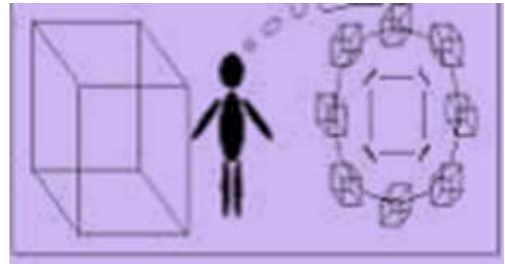


**LESSON – 8  
REAL 5-SPACE**

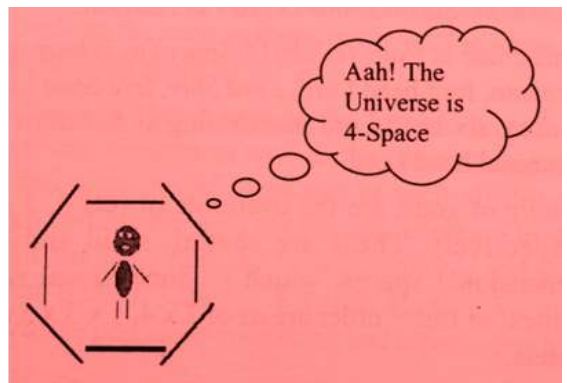
1. For sequential reach at 5 space reality, one way to begin would be that one shall sit in a room/cube and the mental state would be that one is in a 3 space.



2. Now one shall come out of a room/cube and one shall be living behind the mental state of 3-space and shall be transiting in to a transformed mental state of 4 space.

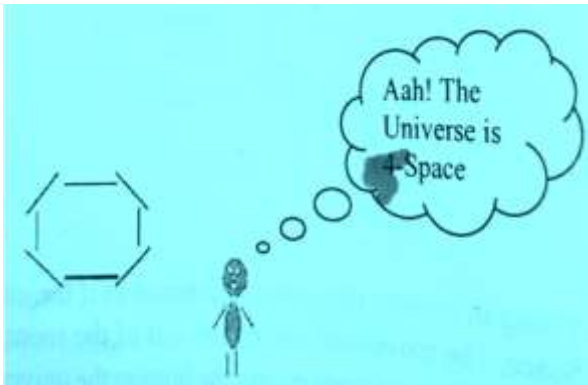


3. With time, one shall be getting under the sway of mental state of 4-space.
4. It would be as if one is within a 4 space as a room/hyper cube 4.
5. To come out of the same, one is to come out of this new room/hyper cube 4 set up.



## Transcendental content

- When one will come out of this new hyper cube 4 rooms, one shall be living behind the mental state of 4-space and one shall be transiting into the mental state of reality of another new room/5-space set up.



Hyper cube 5





## 3

**FIFTH STATE ELEMENT**

This day the course focus is upon 'Fifth state element'. Its four fold aspects being taken up are as follows:

13. Akash is fifth state element
14. Eleven versions of hypercube 5
15. Transcendental boundary of 12 components
16. Transcendence within domain

The values being covered are to be taught as lessons numbers 9 to 12 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-9****AKASH IS FIFTH STATE ELEMENT**

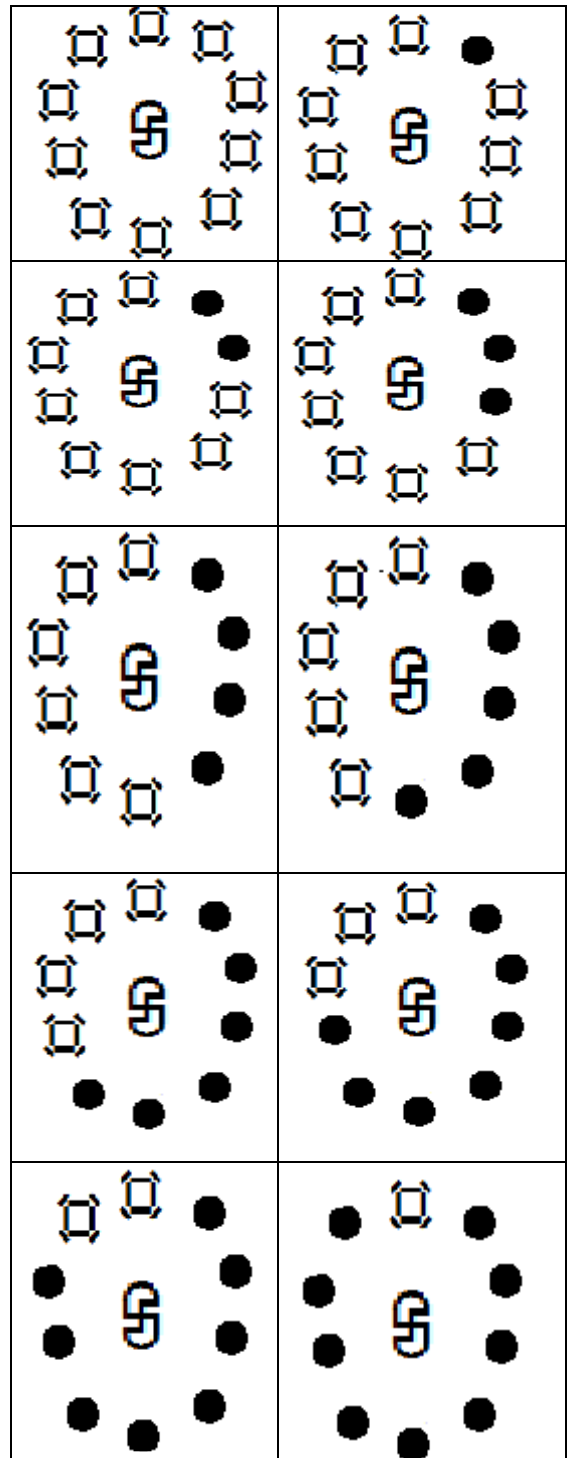
1. There are 5 states of elements, designated as Panch Mahabhoot.
2. These Panch Mahabhoot /5 states of elements are:
  - i) Earth ii) Water iii) Fire
  - iv) Air v) Space
3. Sixth state is of Surya/Sun.
4. From Earth to Sun is a sixth step chase of which first is Earth itself and sixth is the Sun.
5. There are 5 transitions gaps in between.
6. One is to transcend these gaps to attain transition from one state to the next state.
7. These states are there because of the dimensional order.
8. First state of Earth element is parallel to that of linear dimensional order of 3-space with 4-space as its origin.
9. Second state element (Water) is of spatial dimensional order of 4-space with 5-space at its origin.
10. Third state element (Fire) is the solid order of 5-space with 6-space as its origin.
11. Fourth state element (Air) is the creative dimensional order (4-space as dimension) of 6-space with 7-space as origin.
12. Fifth state element ( Akash/space) is the transcendental dimensional order ( 5 space as dimension ) of 7 space with 8 space as its origin.
13. Therefore 5 space in the role of dimension, as a transcendental dimensional order creates 7 state ( unity state) with 8 space ( 8 fold Asht Prakarti/8 fold nature) as origin of the unity state ( 7 space domain) of hyper cube 7 as a format of the existence phenomenon of Polestar ( Dhruv Tara) .
14. It would be blissful exercise to sequentially chase 5 states of elements as four folds set ups, and to glimpse and imbibe the values of this range of reach up till Polestar.
15. Mathematics Science & Technology of 5-space as such is going to be the Mathematics Science and Technology of transcendental dimensional order of reach up till Polestar accepting Asht Prakarti/8 fold nature as the origin fold of this set up.
16. The reach of creative dimensional order (4-space as dimension) is going to be up till Surya/Sun.
17. The reach of solid dimensional order (3-space as dimension) would be up till Akash/Space.

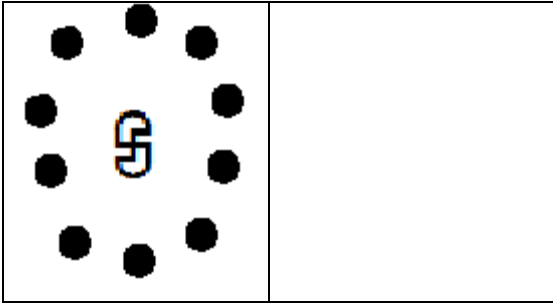
18. For reach beyond Polestar domain is going to be the attainment in terms of self referral dimensional order (6-space as dimension).
- 19 One shall sit comfortably and permit the transcending mind to sequentially chase the attainment ranges of solid dimensional order, creative dimensional order and transcendental dimensional order and to comprehend the distinguishing features of these attainment ranges.
20. One shall distinctively glimpse and to tabulate the distinctive features of Mathematics, Sciences and Technologies of solid, creative and transcendental dimensional order.
21. Solid dimensional order will permit simultaneous chase in terms of interval, square and cube.
22. Creative dimensional order will simultaneously permit chase in terms of interval, square, cube and hyper cube 4.
23. Transcendental dimensional order will permit simultaneous chase in terms of interval, square, cube, hyper cube 4 and hyper cube 5 synthesizing Sathapatya Measuring Rod of 5 space.



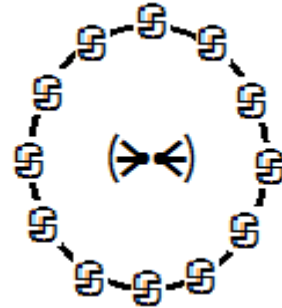
**LESSON – 10**  
**ELEVEN VERSIONS OF**  
**HYPER CUBE 5**

1. The creative boundary (4-space as boundary) of hyper cube 5 is of 10 components.
2. With it, there are 11 versions of hyper cube 5 parallel to the presence of 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0 number of boundary components.





**HYPER CUBE 6**



3. These 11 versions of hyper cube 5 are 11 distinct bodies of 5-space.
4. These 11 distinct versions of hyper cube 5 as 11 distinct bodies of 5 space are the respective bodies of 11 geometries of 5-space.
5. These are the formats of eleven Rudras (incarnations of Lord Shiv).
6. One shall distinctively comprehend features and values of these 11 versions of hyper cube 5.

■

**LESSON – 11**  
**TRANSCENDENTAL**  
**BOUNDARY OF**  
**12 COMPONENTS**

1. 5-space plays the role of boundary of hyper cube 6.
2. This role of 5-space is designated as role of transcendental boundary of Self Referral domain (6-space).
3. 12 components of transcendental boundary of Self Referral domain are the formats of Dwadus Adityas (12 Suns).
4. It would be blissful to glimpse and to imbibe this format feature of 5-space as transcendental boundary being the format of Dwadus Adityas (12 Suns).

5. This reach of transition for the role of 5-space as domain. To that of 5-space as boundary is a reach by way of transcendence at the 6-space as origin of 5-space.
6. This attainment is parallel to the attainment of Lord Shiv meditating within cavity of his own heart upon the Self Referral Lord Vishnu and with the grace of Lord Vishnu Lord Shiv multiplying 12 fold within Vishnu Lok.
7. It would be blissful exercise for the sadhakas/students of Vedic Mathematics, Science & Technology to continuously remain in TRANS and to sequentially attain transcendence and to melt one's mental states of 3 space, 4-space & 5-space and flourishing one's intelligence and consciousness parallel to Lord Brahma multiplying 10 folds and Lord Shiv multiplying 12 folds.
8. It would be a blissful exercise to sequentially tabulate features of format of hyper cube 4 parallel to features of idol of Lord Brahma, and features of hyper cube 5 parallel to features of idol of Lord Shiv.
9. Further it would be a blissful exercise to chase transition for the

role of 3-space as domain of hyper cube 3 to the role of 3-space as solid boundary of 4-space . And, the transition of 4-space as domain fold of hyper cube 4 and 4-space as creative boundary of hyper cube 5.

10. It would further be a blissful exercise to chase transition of 5-space as domain of hyper cube 5 to 5-space as transcendental boundary of hyper cube 6.
11. Still further it would be blissful exercise to chase solid dimensional order (3-space as dimension) along the format of Sathapatya Measuring Rod synthesized by interval, square and cube. And to chase creative dimensional order (4-space as dimension in terms of Sathapatya Measuring Rod synthesized by interval, square, cube and hyper cube 4. And still further to chase transcendental dimensional order (5-space as dimension ) in terms of Sathapatya Measuring Rod synthesized by interval, square, cube, hyper cube 4 and hyper cube 5.
12. A step ahead one shall chase 6-space domain in terms of a Sathapatya Measuring Rod synthesized by interval, square, cube, hyper cube 4, hyper cube 5 and hyper cube 6.
13. It shall be bringing us face to face with interval, square and cube within cube, interval square cube and hyper cube 4 within hyper cube 4 and interval, square, cube, hyper cube 4 and hyper cube 5 within hyper cube 5.

■

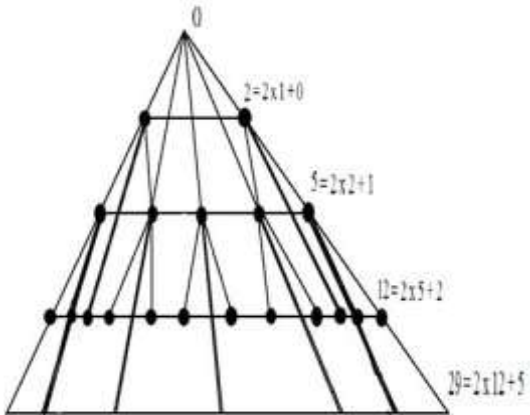
## LESSON – 12 TRANSCENDENCE WITHIN DOMAIN

1. Distinguishing feature of 5-space because of its solid dimensional order is that it permits transcendence within domain of reach up till dimension of dimension level.
2. Within solid dimensional frame a simultaneously permissible sequential progression of the formats of interval, square and cube as synthetic integral format.
3. Interval, square and cube as manifested formats of hyper cubes 1, 2 & 3 respectively lead to a permissible path for transcendence from linear order to solid order.
4. And a step ahead solid order leads to transcendental order.
5. with it, the reach becomes of the feature of a pair of transcendence step firstly from linear order to that of solid order and secondly from that of solid order to transcendental order.
6. One space as dimension of 3-space and 3-space as dimension of 5-space makes a transcendence path within the transcendental domain (5-space domain).
7. It amounts to a transcendence within 5-space domain, firstly up till 3-space as its dimension and secondly up till 1-space as dimension of dimension of 5-space.
8. Along artifices of number it permits expression as (5, 3, and 1) as transcendence triple values.
9. Parallel another transcendence triple value comes to be (6, 4, and 2).

10. In general transcendence triple values come to be (N, N-2, and N-4).
11. One shall sit comfortably and permit the transcending mind to glimpse, comprehend and to imbibe these format feature values phenomenon of transcendence within domain permitting reach up till its dimension of dimension level.
12. Transcendence triple values (6, 4, 2) permit association with letters of Devnagri alphabet as that second vowel gets association of value 2 , 4<sup>th</sup> vowel gets association of value 4 and the Ushmana letter (third Ushmana letter) accepts association of value 6 and these 3 letters compose word formulation Rishi (Seer), one who sees through manifested domain.
13. Rishi is one who sees through the formats of manifested creations.
14. One shall sit comfortably and permit the transcending mind to transcend and to melt the mental state and to acquire potentialities to glimpse through the transcendence permissible within domains for reach up till its dimension of dimension level.
15. This potentiality is the potentiality of glimpsing through Sathool Shareer (Mundane body) up till Sukhsham Shareer (Subtle body) and a step ahead up till Kaaran Shareer (casual body).
16. It is because of this transcendence permissibility up till dimension of dimension level for the domain that there happens a phenomenon of split for the domain fold and emergence of domain split spectrum of its split entities.
17. Domain N initially is a single entity.
18. Its split at first stage is in to a pair of entities of its dimensional value pair of entities being of (N-2) domain set ups.
19. At next step, the pair of entities (N-2 domains) split in to two pairs of (N-4 domain) and it being a reach up till dimension of dimension level as such one entity of dimension of dimension level emanates straight from the start with domain N thereby there emerge a spectrum of  $2+2+1 = 5$  entities of domain value (N-4).
20. One may have a pause here and take note that initially the spectrum was a single entity ( value 1) at first split the spectrum was of a pair of entities ( value 2) and at second split the spectrum is of 5 entities ( value 5) .
21. This split of features of the split first to reach at dimension level and at next step also to have a reach at dimension of dimension level, when is continued ahead of second split reach ( 1, 2, 5), it shall be taking us to quadruple value reach ( 1, 2, 5, 12), because of  $5 \times 2 = 10$  contribution with the split of entities of domain value ( N-4) and further there being a contribution of 2 entities because of dimension of dimension level reach from the pair of entities of value ( N-2) stage.
22. Like that there would be a sequential reach as (1, 2, 5, 12, 29, 70, 169, 408, 985, -----).

## Transcendental content

23. Pictorially this flow chart may be depicted as under:



■

## 4

**TRANSITION FROM FOUR FOLDS TO FIVE FOLDS**

This day the course focus is upon 'Transition from four folds to five folds'. Its four folds aspects being taken up are as follows:

17. Transition from four folds manifestation layer to five folds transcendence range.
18. Introduction to 5 space mathematics.
19. Transcendence features.
20. Lesson 3 introduction Ganita Sutras 8 to 11 and Ganita Upanishad 10 and 11.

The values being covered are to be taught as lessons numbers 13 to 16 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-13****TRANSITION FROM FOUR FOLD MANIFESTATION LAYER TO FIVE FOLD TRANSCENDENCE RANGE**

1. 4-space domain permits chase in terms of a Sathapatya Measuring Rod synthesized by hyper cubes 1 to 4.
2. Parallel to it is a format of quadruple artifices (1, 2, 3, and 4).
3. 5-space domain permits chase in terms of Sathapatya Measuring Rod synthesized by hyper cubes 1 to 5.
4. Parallel to it is the range of 5 artifices (1, 2, 3, 4, and 5).
5. Hyper cube 4 and hyper cube 5 both manifest as four folds layers along the format of idol of Lord Brahma, which is of format features

parallel to that of hyper cube 4 itself.

6. Hyper cube 4 accepts 5-space content in the role of origin fold.
7. Transcendence takes place at the origin fold because of it being of a dimensional order of a degree more than that of the dimensional order of the domain fold.
8. The transcendence at the origin fold takes to base of the origin fold.
9. With it, format of four folds manifestation layers gets extended as a format of five folds range.
10. It is this feature of manifested creation permitting transcendence at the origin folds which deserve to be comprehended well for its thorough appreciation to have its complete imbibing to acquire deep insight and proper enlightenment of this phenomenon of manifested creation permitting transcendence and thereby with these inherent potentialities, its format getting extended as a format of five folds.
11. In general, it may be expressed as that four folds manifestation layer (N, N+1, N+2, N+3) get extended in to five fold transcendence range (N, N+1, N+2, N+3, N+4)
12. One shall sit comfortably and permit the transcending mind to glimpse and to imbibe the features values of this phenomenon of transition by transcendence from the format of four fold manifestation layers to the format of five folds transcendence range.
13. As the transcendence is taking place in spatial order 4-space, as such the transcendence ranges synthesize

availing the format of a pair of axes of the spatial order itself.

14. Pair of transcendence ranges ( N, N+1, N+2, N+3, N+4) and ( N, N+1, N+2, N+3, N+4) availing synthesis glue value ( N) of the order of transcendence range.
15. It makes a synthesis value of this pair of ranges:  

$$N + (5N+10) + (5N+10) = 11N + 20.$$
16. It gives us a sequence of transcendence ranges values of all orders ( of values of N = ---- -6, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, ----- ---- as ( -- -46, -35, -24, -13, -2, 9, 20, 31, 42, 53, 64, -----)).
- 17 One may have a pause here and take note that the pair of digits availed by this value sequence entities make a difference of value 2, which otherwise is parallel to the difference of value of domain from that of its dimension as that N space plays the role of dimension of (N+2) space.
18. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the values of entities of the above sequence of transcendence ranges synthesis values.
- 19 This feature of format of transcendental domain (5-space domain) deserve to be comprehended well for its thorough appreciation to have complete imbibing of its values to acquire deep insight and proper enlightenment about this phenomenon.

■

## LESSON-14 INTRODUCTION TO 5-SPACE MATHEMATICS

- 1.Space approached in terms of a dimensional frame of 5 solid dimensions is designated as 5-space.
- 2.Mathematics of 5-space is essentially the mathematics of 5-space domain (designated as 5-space transcendental domain).
- 3.This domain is of a solid dimensional order.
- 4.5-space domain is the manifested set up of 5 space contents.
- 5.It is the domain fold of hypercube 5.
- 6.It has creative boundary (4-space as boundary).
- 7.Creative boundary is of 10 components.
- 8.This boundary stands co-ordinate in terms of  $10 \times 4 = 40$ . Spatial coordinate.
- 9.Transcendental domain is framed to fold, firstly within creative boundary, and secondly within a solid dimension frame of 5 dimensions.
- 10.The creative boundary is also coordinated in terms of  $10 \times 5 = 50$  solid coordinates.
- 11.With origin of dimensional frame superimposed upon the centre of transcendental domain, the same becomes in sealed state.
- 12.A sealed state transcendental domain framed to fold as within creative boundary and as within solid dimensional frame as designated as a sealed framed transcendental domain.
- 13.Sealed framed transcendental domain is of two fold states, being in a static state and also being in a



dynamic state. The dynamic state transcendental domain, dually framed and sealed at origin, along the format the hypercube 5 leads to the value  $[5 \{3 + 5 + (3 \times 5)\}] + [3 + 4 + 5 + 6] = 133 = 7 \times 19$ .

14. The transcendental domain accepts measuring rod synthesized by hypercube 1, 2, 3, 4 and 5.
15. Four fold manifestation layer of hypercube 1 to 5 lead to summation value range (2, 6, 10, 14, and 18).
16. This values range, at a next step lead to value range (2, 8, 18, 32, and 50).
17. A step head this range further leads to (2, 10, 28, 60, and 110).
18. The emerging value 118 together with the format value plus format value  $23 = 133$  is equal to the above value reach of dynamic state of transcendental domain.
19. 5-space Mathematics is the mathematics of above feature which makes it a basis base of mathematics of 5-space VMS & T.
20. Ganita Sutras 9, 10, 11 and 12 together with Ganita Upsutra 10 and 11 are to be learned to work out 5-space mathematics as basis base mathematics as 5-space VMS & T. ■

### LESSON-15

#### TRANSCENDENCE FEATURE

1. Transcendence feature is the characteristics feature of transcendental domain.
2. 5-space domain accepts measuring rod synthesized by hypercube 1 to 5 for it's chased.
3. Along this format or synthesized a pair of transcendental ranges.
4. The synthesized transcendental ranges lead to dimensionalised domains sequence values range (... - 35, -24, -13, -2, 9, 20, 31, 42, 53 ...).
5. One may have a pause here and to take note that transcendental range is a five folds range.
6. First four fold are the four fold of a manifestation layer. Namely dimension fold, boundary fold, domain fold and origin fold.
7. 5 fold is the base fold.
8. Base fold is the base of origin fold.
9. Transcendence takes placed four domained fold through origin fold for reach at base fold.
10. The origin fold is the compactified folds.
11. This may be viewed that origin are compactified.
12. Sequentially it may taken as that origin and base are compactified.
13. A step head one will come face to face with origin, base and format of base as well being compactified.
14. A step head, origin, base, format and state of format as well are compactified.
15. Infect, the whole range of compactification sequentially unfolds and thereby there is reach from origin to origin with base, a step head origin with base and its format, a step as further, origin with base, it format, as well as with its state, and so on.
16. Origin is the forth fold.
17. Base is the fifth fold.
18. Format is the six the fold.
19. State is the seventh fold.
20. A step head is the natural state as the eight fold,
21. Brahman domain as the ninth fold.
22. Parbraham as the ultimate reservoir.

## Transcendental content

23. 4-space as origin is of a spatial order.
24. Base as 5-space is a solid order.
25. Format as 6-space is of creative order.
26. State as 7-space is a transcendental order.
27. Natural state as 8-space is of self-referral order.
28. Par Brahman domain as 9-space is of unity state order.
29. Spatial order leads to number value 2.
30. Solid order leads to number value 3.
31. Creative order leads to number value 4.
32. Transcendental order leads to number value 5.
33. Self-referral order leads to number value 6.
34. Unity state order leads to number value 7.
35. The compactification of origin and base orders lead to value  $2+3 = 5$ .
36. The compactification of origin base and format order to lead value  $2+3+4 = 9$ .
37. The compactification origin, base, format, state order need to value  $2+3+4+5 = 14$ , and so on.
38. The transcendence for domain through origin sequentially leads to value range (2, 5, 9, 14, 20, 27, 35, 44, 54, 65, 77 ...).
39. Four fold manifestation layer (1, 2, 3, and 4), gets extension as five folds transcendental ranges (0, 1, 2, 3, and 4) and (1, 2, 3, 4, 5).
40. Transcendental ranges of 0 order (0, 1, 2, 3, 4) and (0, 1, 2, 3, 4) synthesized value  $(0+1+2+3+4) + (0) + (0+1+2+3+4) = 20$ .
41. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the features and values of transcendence at origin.
42. This transcendence phenomenon within transcendental domain is no more available within creative domain (4-space domain) in its sealed state. However the movement origin fold becomes unsealed, a transcendences takes placed and as a result there happen to be a manifestation of the transcendental domain as a four folds manifestation layer.
43. It is this feature of manifested creation with transcendental base which deserve to be comprehend well.
44. One shall sit comfortably and to glimpse and imbibe the transcendence feature. ■

### LESSON-16

#### INTRODUCTION TO GANITA SUTRAS 8,9,10 & 11 AND GANITA UPSUTRAS 10 & 11

1. Ganita Sutras 8, 9, 10 & 11 and Ganita Upsutra 10 & 11. Deserve to be glimpsed together for comprehending the specific values and features of Vedic Mathematical domain.
2. Ganita Sutra 10 focuses upon the fullness/completeness feature of a domain. Simultaneously it also focuses upon the incompleteness feature of a domain.
3. Split of a closed interval as a closed interval and half open –half closed interval is the one such illustrative situation.

4. Likewise split of a square, and of a cube, as well of every hypercube, including hypercube 5 will bring us face to face with completeness splitting as complete and incomplete simultaneously.
5. Ganita Sutra 11 focuses upon dynamic state a longed static state format as a phenomenon of a framed domain, including that of transcendental domain.
6. It is feature of an existence phenomenon.
7. The existence phenomenon with a frames is of a unique feature as that even with the frame remaining in the static state, the domained framed within such framed is to be of a dynamic state.
8. Ganita Sutra 11 focuses upon 'deficiency'.
9. One illustrative situation is of 10 points coverage being of only nine unit coverage.
10. Ganita Sutra 11 focuses upon constitution of domain being fulfilled with whole range of structure of the domain of which constituent is the part.
11. Illustrative situation is of a cube within a cube and also a cube within a cube within another cube.
12. Ganita Upsutra 10 focuses upon strips of features of equal value to be further striped off of their features.
13. It is like the transcendental domain being strip of its solid order, and a step head, solid order itself also being stripped off of its linear order.
14. Ganita Upsutra 11 focuses upon the remainder being approached in terms of its last digits.
15. The Illustrative situation is well a number  $N$  is to be divided by  $M^2$ , as a first step  $N$  would be divided by  $M$  and there would be a reach and its remainder and when a second step there would be division again by  $M$ , the previous quotient as well shall be leading to its remainder.
16. The resultant remainder of division of  $N$  by  $M^2$  is to view first step remainder contributing towards last digit.
17. One may have a pause here and to take note that the processing steps of Ganita Sutras 8, 9, 10 & 11 and Ganita Upsutra 10 and 11. Or of feature of approaching as of repeated frequencies requirements of re-manifestations formats.
18. One may have a pause here and to take note that manifestation format is a format of four folds of four conjugative dimensional domains in their sequential role as of dimensional fold, boundary fold, domain fold and origin fold.
19. These roles, these are, are of individual domains of concerned dimensional spaces.
20. Illustratively one space domain as dimensional fold, 2-space domain as boundary fold, 3-space as domain fold and 4-space domain as origin fold is a manifestation layer of hyper cube 3.
21. No if hypercube 1, 2, 3, 4, manifest together as four folds, the same will amount to re-manifestation.
22. This leads us to 4x4 format expression as follows:
 

1	2	3	4
2	3	4	5
3	4	5	6

## Transcendental content

4 5 6 7

23. One shall sit comfortably and permit the transcendence mind to glimpse and imbibe above features of mathematics of Ganita Sutras 8, 9, 10 & 11 and Ganita Upsutra 10 and 11. ■

5

**TEXT SUTRAS 8 TO 11 & Ganita Upsutra 10 & 11**

This day the course focus is upon ‘Text of Ganita Sutras 8 to 11 & Ganita Upsutra 10 & 11’. It four folds aspects being taken up are as follows:

21. Text of Ganita Sutras 8 to 11 and Ganita Upsutras 10 and 11.
22. Dynamic circuit for transcendence reaches.
23. Dimensional synthesis values reach
24. Gaps bridging of dimensional synthesis reach

The values being covered are to be taught as lessons numbers 17 to 20 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-17**

**TEXT OF GANITA SUTRAS 8, 9, 10 & 11 AND GANITA UPSUTRA 10 & 11**

1. One shall visit and revisit the text of Ganita Sutras 8, 9, 10 & 11 and Ganita Upsutra 10 and 11.
2. It would be a blissful exercise to have a letter wise chase of these texts.
3. If would further be a blissful exercise to tabulate TCV values and VCV values of these texts.

**LESSON-18**

**DYNAMIC CIRCUITS FOR TRANSCENDENTAL REACH**

1. Transcendental domain placed the role of Base fold.

2. Base fold is the fifth fold.
3. Base fold, the fifth fold, is compactified with origin fold, the fourth fold.
4. Origin fold itself is of placement at the center of the domain fold.
5. Domain fold transit from its static state to dynamic state by moving along its dimensional order format.
6. As the dimensional frame is constituted by number of dimensions, as such dynamic state as expression along all the dimensions.
7. The value of dimensional frame itself is equal to the value of all the dimensions (order units).
8. This gives rise to the complete and full dynamic state value for the domain as:  
 $[N \{N+N-2+N (N-2)\}]$ .
9. This value together with the format of hypercube n will make the above the value as:  
 $[N \{N+N-2+N (N-2)\}] +N-2+N-1+N+N+1$ .
10. It would be blissful exercise to reach at above value for  $N = (0, 1, 2, 3, 4, 5, 6, 7, \dots)$
11. It would be further blissfully to glimpse and imbibe the above reach at its every step.
12. Illustratively, let us revisit the above reach for  $n=3$ .
13. As first step we are having 3-space domain.
14. It gives rise to value 3.
15. 3-space is a linear order space.
16. It gives rise to order unit =1.
17. All the three dimensions of three space gives rise to order unit =3.
18. The dynamic expression along single dimension is of value equal to

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value of dimensional frame + value of domain + value of dimensional order =  $1 \times 3 + 3 + 1 = 7$ .

19. Total value along the three dimension will come to be  $7 \times 3 = 21$ .
20. The hypercube 3 format is a set up of four fold manifestation layers (1, 2, 3, and 4) of summation value  $1 + 2 + 3 + 4 = 10$ .
21. As such the grand dynamic state value for complete and full motion of 3 space domain on hypercube 3 formats comes to be  $21 + 10 = 31$ .
22. One may have a pause here and to take note that this is dynamic state value with sealed origin.
23. 4-space plays the role of origin of 3-space.
24. It is the origin fold of hypercube 3.
25. 4-space is a spatial order space.
26. Dimensional frame of 4-space is a synthetic set up of quadruple spatial dimensions.
27. The synthesis value of quadruple spatial dimension comes to be '8'.
28. The transcendence at the origin will require a synthetic set up of 5 spatial dimensions of synthesis value '10'.
29. With its super summation value for complete and full dynamic state of 3 space domain comes to be  $31 + 8 + 10 = 49$ .
30. One may have a pause here and to take note that number value 49 is parallel to transcendence code value 49 of formulation '*marutagana*'.
31. Here, transcendental carriers (*ativabaka*) come into play.
32. Transcendental carrier reach is up till orb of the sun.
33. One may have a pause here and to take note that seven space play the role of origin of 6-space (sun).
34. Further as that, 2-space played the role of dimension of dimensions of 6-space.
35. The pilgrimage ahead is along the dynamic path whose circuits are formatted by '*ashwani kumaro*', the physicians of gods.
36. The formulations '*ashwani kumaro*' accepts transcendental code value  $21 + 26 = 47$ .
37. The reach up till sun '6 space domain' is of the format of hypercubes 1 to 6, giving rise to value range 1, 2, 3, 4, 5, 6 of summation value  $1 + 2 + 3 + 4 + 5 + 6 = 21$ .
38. The reach at orb of the sun brings in transcendental dimensional order (5space as dimensions) of unity state.
39. As such, there is an availability of value '5'.
40. This takes us with the other random with six space domain.
41. This reaches value  $21 + 5 = 26$ .
42. With this reach in terms of five units makes pilgrimage head being of value steps 6, 7, 8, 9, 10, 11, parallel to 11 versions of hypercube 5.
43. According, the pilgrimage on the other side of 6 space domain comes to be of value steps  $26 + 6 = 32$ ,  $32 + 7 = 39$ ,  $39 + 8 = 47$ ,  $47 + 9 = 56$ ,  $56 + 10 = 66$ ,  $66 + 11 = 77$ .
44. It would be blissful to take note that the above reach beginning value 0 and reach at value 21, and a jump to a value 26 and their after sequential reach up till value 77 makes a progression of parabolic format of 7 steps reach.
45. These 7 steps reach gives rise to 7 paired pair values as:

- i.  $21+26 = 47$ .
  - ii.  $15+32 = 47$ .
  - iii.  $10+39 = 49$ .
  - iv.  $6+47 = 53$ .
  - v.  $3+56 = 59$ .
  - vi.  $1+66 = 67$ .
  - vii.  $0+77 = 77$ .
46. One may have a pause here and to take note that the value range (47, 47, 49, 43, 59, 67, and 77) accepts sequential of value gaps (0, 2, 4, 6, 8, and 10) which is parallel to synthesis values of spatial order dimensions.
  47. One may have a pause here and to take note that the creative boundary (4 space boundary and 5 space is of 10 components and as such hypercube 5 accept 11 versions).
  48. Further as that creative boundary of 10 component s accepts reorganization at  $10 = 4+6$  and their by takeoff from creative boundary results into creation of self-referral domain (6 space domain) as of a re manifested format of creative dimensional (4 space as dimension), which here is in the format of hypercube 4.
  49. The value  $4 \times 4$  gives rise to a matrix only grid of following expression:
 

1	2	3	4
2	3	4	5
3	4	5	6
4	5	6	7
  50. One may have a pause here and to take note that above expression makes north east diagonals an affine diagonal as that air, at that each step, there is same value '4'.
  51. Further as that synthesis value of fourth creative dimensions is of sequential reach (4, 6, 6, and 4).
  52. Further as that above  $4 \times 4$  matrix expressions makes each row and each column being of hypercube format.
  53. Row 1, 2, 3, and 4, respectively are of format value of hyper cubes 3, 4, 5 and 6 respectively.
  54. Likewise columns 1, 2, 3, 4, as well are of format value of hypercube 3, 4, 5 and 6 respectively.
  55. This brings us face to face a reach along both axes at hypercube 6 set up.
  56. It is this feature which deserves to be comprehended well about 6 space domain emerging at its dimension of dimension level as of spatial order.
  57. One may have a pause here and to take note that a pair of four fold manifestation layers (3, 4, 5, 6) and (3, 4, 5, 6) synthesis sequential (5, 6, 7, 8) manifestation layer as of reach at origin fold (8 space).
  58. One shall sit comfortably and permit the transcendence mind to glimpse and imbibe the organization feature of Ganita Sutras and upsturas as that there text avails number values (1, 2, 7, 9, 10) and in terms of there and reach at (3, 4, 5, 6, 7, 8).
  59. One shall visit and revisit above format feature values, virtues order of the setup of transcendental domain format for transcendental carriers.
  60. Within, it would be blissful to glimpse and imbibe above values and virtues and to acquire proper insight and appropriate enlightenment about Vedic systems of mathematics, science and

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technology of Existence phenomenon of our solar universe, within and without frames including human frame and its absence, as the sustains format of human frame as shad chakras (eternal circuit is parallel to Sathapatya measuring rod of hypercube 1 to 6. Presided by Lord Vishnu and its measure beings presided by Lord Brahma.

### LESSON-19 DIMENSIONAL SYNTHESIS VALUES RANGES

1. One of the basic attainments of Vedic system is of reach at dimensional synthesis values ranges.
2. These ranges are reached order wise. Illustratively, linear, spatial, solid and hyper solid order constitutes distinct dimensional synthesis values ranges.
3. It is not only the positive order dimensional but also 0 order dimension and negative order dimensions as well lead to their specific dimensional synthesis values ranges.
4. The dimensional synthesis value range of a particular dimensional order, say  $m$  dimensional order, shall be of zero, single, double, triple, quadruple and higher number of dimensions of order  $m$ .
5. This range of dimensional synthesis values of dimensions of order  $m$  is not restricted to zero number of dimensions or two single dimensions or two pair of dimensions or triple dimensions or two quadruple dimensions or two higher numbers of dimensions only.
6. This range shall be also being covering prior to the stage of zero number of dimensions.
7. One may have a pause here and to take note that zero number of dimensions means 'no dimension being available'.
8. A prior stage of zero number of dimensions would be a stage of presence of single hole because of the absence having been there, because of the whole filling dimension not marking its presence.
9. It may be designated as a single black dimension, vish-a-vish the single dimensions presence (to be designated as a light dimension).
10. The range of values prior to zero number of dimensions may be taken as a range of synthesis values of black dimensions.
11. And the range of values subsequent to zero number of dimensions be taken as light dimensions synthesis value range.
12. The zero number of dimension situations may be taken as the phase and stage of half black, half bright dimensional setups.
13. First of all let us take dimensional synthesis value range of more than zero number of light dimensions of linear order.
14. The synthesis values of this range come to be (1, 3, 6, 10, 15, 21 ...).
15. One may have a pause here and to take note that this value range accepts gaps of values constitute gaps value ranges as (2, 4, 6, 8, 10, 12 ...).



16. One may have a pause here and to take note that this gap value range, infect is the values range of spatial dimensions being single , double , triple, quadruple and sequential higher number of dimensions of spatial order.
17. One may have further pause here and to take note that the sequential differences of values range (1, 3, 6, 10, 15, 21 ...) and of value range (2, 4, 6, 8, 10, 12 ...) comes to be (-1, -1, 0, 2, 5, 9, 14, 20, 27, 35, 44, 54 ....).
18. It would be blissful to taken to this difference value sequence, as it is, is infect the value difference for any pair of constituted dimensional order synthesis value ranges.
19. Illustratively a reach from dimensional synthesis values range of spatial order to that of solid order would means that each step the difference value range (-1, -1, 0, 2, 5, 9, 14, 20, 27, 35, 44 ...) is to be diminished form the values of respective stages of the dimensional synthesis of dimension of spatial order to have a reach at the respective dimensional synthesis values for solid order.
20. This shall be leading us to dimensional synthesis values range of solid order as: (3, 5, 6, 6, 5, 3, 0, -4 ....).
21. A step head, there would be a reach at dimensional synthesis values range of creative dimensional order (4 space in the role of dimension).
22. One may have a pause here and to take note that this way, we can have a reach up till any higher dimensional order setup.
23. One may have further pause here and to take note that by reversing the orientation of the differences, as increase value , at each step parallel to above difference value range (-1,-1, 0, 2, 5, 9, 14, 20, 27, 35, 44 ...), we will be reaching a value range (1, 1, 0, -2, -5, -9, -14, -20, -27, -35, -44, -54 ...).
24. This way we shall be having a reach at dimensional synthesis value range of dimensions of zero order as: (0, 2, 6, 12, 20, 30, 42, 56, 72 ...).
25. One may have a pause here and to take note that ,like that we can reach at respective dimensional synthesis value ranges for (-1,-2,-3,-4), and so on, dimensional orders.
26. Now one may have further pause here and to take note that parallel to light dimensions, there would be a reach for black dimension as well.
27. In respect to linear order , the extended and integrated dimensional synthesis values range for black as well as light dimensions , coming to be as follow: (... -45, -36, -28, -21, -15, -10, -6, -3, -1, 0, 1, 3, 6, 10, 15, 21, 28, 36, 45 ...).
28. The extended integrated range for spatial order will be : (... -18, -16, -14, -12, -10, -8, -6, -4, -2,- 0, 2, 4, 6, 8, 10, 12, 14, 16, 18 ...).
29. The difference values range of above pair of extended ranges for both black and light dimensions will help us reach at such extended value ranges for entire range of dimensional order may those be negative, zero or positive dimensional orders.

30. It would be blissful exercise to reach at extended value ranges for all dimensional orders.

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**LESSON-20**  
**GAPS BRIDGING OF**  
**DIMENSIONAL SYNTHESIS**  
**VALUES RANGES**

1. Linear order leads to value range (1, 3, 6, 10, 15, 21, 28, 36, 45 ...).
2. The gaps of this range are of value (2, 3, 4, 5, 6 ...).
3. This further leads to gaps values (1, 1, 1, and 1), with it, the gaps get plugged as the difference remains of value 0.
4. Spatial order value range comes to be (2, 4, 6, 8, 10 ...).
5. Gaps value of this range are (2, 2, 2, 2 ...), as such gaps get plugged as their remains zero increase between these steps.
6. Solid order leads to value ranges (3, 5, 6, 6, 5, 3, 0 ...).
7. This leads to gaps of values (2, 1, 0, -1, -2, -3, -4 ...).
8. This further be leads to sequential gaps of values (-1).
9. This uniformity plugged the gaps.
10. Creative order leads to value range (4, 6, 6, 4, 0, -6, -14 ...).
11. From quadruple dimensions synthesis onwards the value range (4, 0, -6, -14 ...) leads to gaps value sequence (-4, -6, -8 ...).
12. This leads to uniformity plugging value (-4).
13. Order 5 leads to dimensional synthesis values range as (5, 7, 6, 2, -5, -15, -28 ...).
14. From quadruple dimensions synthesis onwards the value range

- (2, -5, -15, -28 ...) leads to gaps values (-7, -10, -13 ...) which gets plugged with uniformity value '3'.
15. Like that one can reach at uniformity plugging value for every dimensional order.
  16. Here would be relevant to take note that the extended difference value range for constituted dimensional order comes to be as (... -27, -20, -14, -9, -5, -2, 0, 1, 1, 0, -1, -1, 0, 2, 5, 9, 14, 20, 27 ...).
  17. Here would be relevant to take note that the central seven step long difference value range (0, 1, 1, 0, -1, -1, and 0) played its prominent role for transition and positive number of light dimensions to negative number of black dimensions.
  18. One shall sit comfortably and glimpse and imbibe these value and feature of dimensional synthesis phenomenon.
  19. It would be relevant to take note that the sequential reach along Sathapatya measuring rod up till core of the sun and their after a reach on the other hand six space domain of sun takes us sequential progression of various step (4, 5, 6, 7, 8, 9, 10, 11). The spatial order working unit (1/2) will be sequential step (1, 3/2, 2, 5/2, 3, 7/2, 4, 9/2, 5, 11/2, 6, 13/2, 7, 15/2 ...).
  20. As such this format for the sequential progression reach value (5, 6, 7, 8, 9, 10, 11, 12, 13 ...) shall be leading us to values  $5 \times 1$ ,  $6 \times 3/2$ ,  $7 \times 2$ ,  $8 \times 5/2$ ,  $9 \times 3$ ,  $10 \times 7/2$ ,  $11 \times 4$ ,  $12 \times 9/2$  ...).
  21. One may have a pause here and to take note that it is going to be a

reach of values range (5, 9, 14, 20, 27, 35, 44, 54 ...).

22. It would be blissfully to take note this values range parallel to differences value range dimensional synthesis values of linear order and spatial order of (5, 6, 7, 8, 9, 10, 11, 12 ...) number of dimensions.
23. It would be blissful exercise to visit and revisit above value and feature of the transcendental carrier path up till core of the sun and even beyond the domain of the sun.
24. Vedic system follow the transcendental carrier path with success and their by become of the order of existence phenomenon of our solar universe.
25. Vedic systems are also potentialized to process the universe even beyond the format of solar universe.
26. It is this success and attainments which shall be blissful comprehend and imbibed by the Sadhakas of Vedic Mathematics, Science & Technology.



6

**VALUES EIGHT AS UNIT**

This day the course focus is upon ‘Value eight as unit’. It four folds aspects being taken up are as follows:

- 25. Value eight as unit
- 26. Numbers values formulations
- 27. Introductory of real 5-space
- 28. Transcendental reality general

The values being covered are to be taught as lessons numbers 21 to 24 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-21**

**VALUE EIGHT AS UNIT**

- 1. One way to approach Vedic processing system is to take value eight as a unit.
- 2. Value eight accepts one expression as  $2^3 = 1^3$ .
- 3. This value expression is of the format and feature as that ‘cube, big or small’ is a cube.
- 4. All cubes, big or small, are of same structural setups along the same format.
- 5. Formulation ‘Ek’ accepts transcendental code value ‘8’.
- 6. Cube permits splits as eight sub cube along the format of split of 3-space as eight octants.
- 7. Spatial expression accepts four direction and four sub directions. Making it eight directional setups.
- 8. Cube is a set up of eight corner points and within each corner point is embedded a three dimensional frame of half dimensions.
- 9. Each octant is asset up of a 3 dimensional frame of half

dimensions manifesting 3 surface plates for sustaining sub cube.

- 10. One may have a pause here and to take note that the above sustains set ups of for each of eight sub cubes of a cube, infect make a structural setup of following eight structural component:

i. Origin	1.
ii. Axes	3.
iii. Surface plate	3.
iv. Sub cube (volume)	1.
Total	8.

- 11. Hypercube 4 accepts a solid boundary of eight components.
- 12. Eight space plays following role:

- i. Eight space as domain fold.
- ii. Eight space as boundary fold.
- iii. Eight space as dimension.
- iv. Eight space as pre-dimension state.
- v. Eight space as origin fold.
- vi. Eight space as base fold.
- vii. Eight space as format of base fold.
- viii. Eight space as format state.

- 13. Different roles of 8-space accepts expression as:

8x8 matrix as follows:

1	2	3	4	5	6	7	8
2	3	4	5	6	7	8	9
3	4	5	6	7	8	9	10
4	5	6	7	8	9	10	11
5	6	7	8	9	10	11	12
6	7	8	9	10	11	12	13
7	8	9	10	11	12	13	14
8	9	10	11	12	13	14	15

- 14. Parallel to above expression 8x8 matrix of the roles of (-8 space):

-8	-7	-6	-5	-4	-3	-2	-1
----	----	----	----	----	----	----	----

-7	-6	-5	-4	-3	-2	-1	0
-6	-5	-4	-3	-2	-1	0	1
-5	-4	-3	-2	-1	0	1	2
-4	-3	-2	-1	0	1	2	3
-3	-2	-1	0	1	2	3	4
-2	-1	0	1	2	3	4	5
-1	0	1	2	3	4	5	6

15. The dimensional synthesis values of dimensional order (8)/eight space as dimensions, for one to eight number of dimensions comes to be as follows:

- i. Single dimension value 8.
- ii. Pair of dimension value 10.
- iii. Triple dimension value 6.
- iv. Quadruple dimension value -4.
- v. Five dimension value -20.
- vi. Six dimension value -42.
- vii. Seven dimension value -70.
- viii. Eight dimension value -104.

16. Zero number of dimensions of dimensional order eight lead to dimensional value ...0.

17. Negative number of dimensions (1, 2, 3, 4, 5, 6, 7, 8 ....), half dimensional order eight comes to be as under:

- i. Single dimension value -8.
- ii. Pair of dimension value -10.
- iii. Triple dimension value -6.
- iv. Quadruple dimension value 4.
- v. Five dimension value 20.
- vi. Six dimension value 42.
- vii. Seven dimension value 70.
- viii. Eight dimension value 104.

18. Dimensional synthesis values of dimensional order (-8), for 1, 2, 3, 4,

5, 6, 7, 8 numbers of dimensions deserves to be chased.

19. It would be a blissful exercise to tabulate the dimensional synthesis values of dimensional order (-8) for zero number of dimensions, as well as follow 1, 2, 3, 4, 5, 6, 7, 8 numbers of dimensions and also for negative number of 1, 2, 3, 4, 5, 6, 7, 8 dimensions.

20. One shall sit comfortably and permit the transcending mind glimpse and imbibe the structural setups of all the eight sub-sub cubes of a sub cube.

21. It would further be a blissful exercise to glimpse and imbibe the structural setup of inner most 8 sub-sub cubes of a cube.

### LESSON-22 NUMBERS VALUES FORMULATIONS

1. Numbers values formulation *sunyam ek dvua tre chatur panch shat sapt ashta nava dash* accept transcendental code values (18, 16, 8, 12, 15, 10, 14, 11, 17, 10) respectively.

2. Sequentially arranged, these values make a range of values (8, 8, 10, 10, 11, 12, 15, 16, 17, 18).

3. Of these, only eight of them are distinct.

4. These eight values are of two parts of four values each.

5. First quadruple values of are (8, 10, 11, 12).

6. The second set ups of quadruple value of are (15, 16, 17, 18).

7. This second sets of quadruple values are parallel to four fold manifestation layer (15, 16, 17, 18) of hypercube 17.

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8. The first set up of quadruple value (8, 10, 11, 12) has a jump over value (9).
9. The values range 8, 9, 10, 11, 12 is the transcendental range of natural dimensional order (8-space in the role of dimension).
10. It would be relevant to take note that 8-space accepts  $2 \times 8 + 1 = 17$  geometries range.
11. This geometries range is a set of eight positive geometries and nine non positive geometries.
12. Further that as values pair (8, 9) accepts reorganization as  $2^3, 3^2$ , which is a vertical reflection pair, as that here base and index digits swap their places.
13. One may have a pause here and to take note that Ganita Sutras text avails (*sunyam ek dvua, sapt, nava dash*).
14. The remaining five values (3, 4, 5, 6, 8) / (*tre chatur panch shat, ashta*) are be not being the part of text.
15. One may have a pause here and to take note that Ganita Sutras system avail the format of (3, 4, 5, 6) and of (8) to work out the mathematical of Ganita Sutras and upsutras.
16. Here it would be relevant to take note (3, 4, 5, 6), is parallel to four fold manifestation layers of hypercube 5.
17. Further as that 5-space is a solid order space and 5-space domain in dynamic state along a solid dimensional format make a value  $5 + 3 = 8$ .
18. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the above features.
19. The features of number value 8 as a unit is being availed by the Vedic Mathematics system of Ganita Sutras and Ganita Upsutra.
20. It would be blissful to take note that  $(6 \times 6) = 8$  is the dimensional synthesis value for a pair of self-referral dimensions (6-space as a dimension).
21. One may have further pause here and to take note that solid dimensional order creates transcendental domain (5-space domain) of self-referral origin.(6-space as origin).
22. As such the reach within 6-space domain along a Sathapatya measuring rod is reach up-till unity state origin (7-space as origin) of a transcendental dimensional order.
23. One may have a pause here and to take note that this bring us face to face with values 6 at either and point of 6-space domain and the coverage within six space domain being in terms of a transcendental dimensional order (5space as dimensions) superimposed upon creative dimensional order of six space domain itself.
24. Firstly the pair of value (6, 6) together value (5) leads us to the real value  $(6+5+6) = 17$ .
25. Secondly  $4+5 = 9$ .
26. And further as that reach up till first end point of six space domain is a sequential reach from value zero as of values 1, 2, 3, 4, 5, 6 respectively and the reach from second end point onward is of value range (6, 7, 8, 9, 10, 11).
27. One may have further pause here and to take note that taking value 5

within the 6-space domain as value '1', the same shall be taking value four, as value step of value '1/2'.

28. Naturally it shall be taking value 3 in terms of values steps (0) and value six will be approached in term of value step (3/2).
29. This sequential extension along either limb will be progression expression of a value range:  
(-- -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5 --).  
(-- 4, 3½, 3, 2½, 2, -1½, -1, -½, 0, ½, 1 ...).
30. The extended values ranges, emerges as follows by having multiplication of respective step values of above both rows:
31. (... -20, -14, -9, -5, -2, 0, -1, -1, 0, 2, 5, 9, 14, 20 ...).
32. One may have a pause here and to take note that the central quadruple value (0, -1, 0) have on their either side equal but of opposite orientation values ranges (... -20, -14, -9, -5, -2) and (2, 5, 9, 14, 20 ...)
33. One may have a pause here and to take note that values range (2, 5, 9, 14, 20 ...) accepts reorganization as (0+2, 0+2+3, 0+2+3+4, 0+2+3+4+5, 0+2+3+4+5+6 ...) this sequential progression is of sequential transcendence steps of values parallel to dimensional orders 2 + dimensional order 3, dimensional order 2 + dimensional order 3 + dimensional order 4, dimensional order 2 + dimensional order 3 + dimensional order 4 + dimensional order 5,...) and so on.
34. One may have a pause here and to take note that this is going to be parallel to the compactification of origins.
35. It is further parallel to compactification of origin fold, base fold, format fold, format state fold, and so on.
36. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the values and feature of above compactification and transcendence through compactification of different fold.
37. One may have further have a paused here and to take note that the settlement of formulation *sunyam ek dvua tre chatur panch shat sapt ashta nava dash* and their transcendental code value (18, 16, 8, 12, 15, 10, 14, 11, 17, 10) respectively.
38. One shall sit comfortably and permit the transcending minds to glimpse and imbibe the formulation *sunyam* of transcendence code value 18.
39. Further as that the transcendence code value 18 is parallel to the summation value of four fold manifestation layer (3, 4, 5, 6,) of hypercube 5.
40. It would be blissful to take note that the pair of formulation (*sunyam, om*) accepts transcending code values pairs (18, 16) which is of (domain, dimension) format.
41. Further that the pair of formulation (*ek dvua*) accepts transcendence code value pairs (8, 16) which is parallel to format (2, 1) and it bring us face to face with the spatial order measure '2 as 1'.
42. Further as that the spatial order also accepts a measure of feature '1 as 2'.
43. One may have a pause here and to take note that the pairs of formulation (*dvua tre*) accepts a pairs

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of transcendental code values (16, 8) which is of the format (2, 1).

44. One shall have further have a paused here and to take note that value triple (*ek dvvua tre*) permit reach by simultaneously application of spatial order measure '2 as 1 and 1 as 2'.
45. It is this feature which deserves to be comprehended well.
46. Formulation pair (*tre chatur*) accepts transcendental code values pairs (8, 12) which is parallel to the format (1, 3/2).
47. One may have a paused here and to permit the transcending mind to glimpse and imbibe the value and feature of above formulation and their values and formats of sequential quardination.
48. The range of five value step is designated as '*pankti*'.
49. The formulation '*pankti*' accepts transcendental code value '19'.
50. As such the reach of transcendental ranges is uptill southern hemi sphere of placement value '19'.
51. One may have a paused here and to take note that formulation '*sunyam*' accepts transcendental code value '18'.
52. The formulation punch accepts transcendental code value '15', while transcendence code value '*shat*' accepts transcendental code value '10' and ahead transcendental code value '*sapth*' accepts transcendental code value '14'.
53. It would be blissful to take note that values pairs (10, 14) accepts reorganization (1+2+3+4, 2+3+4+5,) which is parallel to four fold manifestation layers (1, 2, 3, 4)

and (2, 3, 4, 5) of hyper cubes 3 and 4 respectively.

54. One shall sit comfortably and permit the transcending mind to comprehend and imbibe above values and features in their sequential placements.
55. One may have further have a pause here and to take note that formulation pairs (*panch* and *nava*) accepts transcendental code value pair (15, 17) which is parallel to format of (dimension, domain).
56. Here it also would be relevant to take note the pair of formulation (*pankti* and *nava*) accepts a pair of transcendental code values (19, 17), which is parallel to the placement value pair of southern hemi sphere and northern hemi sphere.

■

### LESSON-23

## REAL 5-SPACE INTRODUCTORY

1. This year we shall be glimpsing and imbibing values and virtues of real 5-space.
2. Real 5-space is 'transcendental space'.
3. Real 5-space is presided by transcendental Lord Shiv.
4. Hyper cube 5 is the representative regular body of 5-space within 4-space.
5. Idol of Lord Shiv preserves the values and virtues of transcendental space in its manifested form within 4-space.
6. Glimpsing and imbibing of the format features and values of Idol of Lord Shiv shall be helping to



melt the mental block because of reality of 4-space format.

7. Transition from format of idol of Lord Brahma to the format of idol of Lord Shiv is going to be the basic learning step for transiting from the mental state of 4-space reality for acquiring transcendental mental state of the Existence Phenomenon along transcendental domain (5-space domain).
8. This brings us face to face with 5-space content (transcendental content).
9. Mathematics of 5-space is the basis base of 5-space mathematics science and technology with it, naturally our learning focus during this year is going to be of the range of format feature and value of 5-space mathematics science and technology.
10. One shall recapitulate format feature and values of 4-space mathematics science and technology.
11. 5-space reality deserves to be comprehended and appreciated in continuity of 4-space reality.
12. 4 fold format of hyper cube is to sequentially takes us form the set up of hyper cube 4 to hyper cube 5.
13. It is the solid order of transcendental domain (5-space domain) which is to distinguish 5-space mathematics science and technology from spatial order 4-space mathematics science and technology
14. That way, as the focus during previous year learning about 4-space reality being upon spatial order, a step head, during present year learning, the focuses is going to be solid order.
15. Further, during previous year course of real 4-space, the basic format has been of 4 folds manifestation layer by during present year course of 5-space reality, focus is going to remain upon 5 fold transcendence ranges.
16. It would be relevant to take note that first four folds of 8 transcendence range remain the same as four folds of a manifestation layer and the fifth fold is going to be the base fold.
17. Five folds of transcendence range of a 8 transcendence range are of sequential dimensional order.
18. Space content of 5 consecutive dimensional spaces manifests a transcendence range of 5 folds, namely (i) Dimensional fold (ii) Boundary fold (iii) Domain fold (iv) Origin fold (v) Base fold.
19. In the continuity of same the 6 fold namely format fold extends a transcendence range format into a self-referral range format, about which we shall be learning during next year course of 6-space reality.



**LESSON-24**  
**TRANSCENDENTAL REALITY**  
**GENERAL**

1. Manifestation is the reality of 4-space.
2. Transcendence at the origin fold for its reach up-till base fold is the reality of 5-space.
3. Manifestation is a four folds reality.
4. Transcendental reality is of 5 folds.
5. 4-space body has a degree of freedom of motion in 5-space.
6. 4-space content manifests domain fold of hyper cube 4, while 5-space content manifests the domain fold of hyper cube 5.



## 7

**TRANSCENDENTAL REALITY**

This day the course focus is upon 'transcendence reality'. Its four folds aspects being taken up are as follows:

33. Transcendental reality
34. Consciousness states
35. 5-space existence phenomenon
36. Transition from format of Lord Brahma to format of Lord Shiv.

The values being covered are to be taught as lessons numbers 25 to 28 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-25****TRANSCENDENTAL REALITY**

1. Manifestation reality is of the format of 4 folds manifestation layer format.
2. Transcendence reality is of five folds transcendence range format.
3. 4-space domain permits a chase along a format of hyper cube 1 to 4 synthesized as a Sathapatya measuring rod of 4-space.
4. 5-space domain permits a chase in terms of hyper cube 1 to 5 synthesized as a Sathapatya measuring rod of 5-space.
5. One way to glimpse transcendental reality is to follow transcendence at the origin fold for its reach up-till base fold. The other way to comprehend transcendence reality by glimpsing consciousness field lively at the base of intelligence field within human mind.

6. Further cogence of transcendental reality can be had by having a reach for 5-space content in its different roles.

7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

8. One shall glimpse the origin fold hyper cube 4 and to fully imbibe its values.

9. Further one shall follow the enlightenment path adopted by Lord Brahma and to appreciate the transition happening in the form of Lord Brahma multiplying as ten Brahmas in the grace of transcendental lord Shiv parallel to it going to be a transcendental phenomenon as a transcendental reality and transcendental lord Shiv goes self-referral and multiplies as Dwadash Adhitya (12 suns).

**LESSON-26****CONSCIOUSNESS STATES**

1. 4 folds of hyper cube 5 accepts extension up-till 7 folds set up as of the format feature (i) Dimensional fold (ii) Boundary fold (iii) Domain fold (iv) Origin fold (v) Base fold (vi) Format beneath base fold (vii) Unity state of format fold.

2. This 7 folds format, for the solid order transcendental domain

## Transcendental content

leads us to format features values as:

- i. 3-space content (domain) in the role of dimensional fold.
- ii. 4-space content (domain) in the role of boundary fold.
- iii. 5-space content (domain) in the role of domain fold.
- iv. 6-space content (domain) in the role of origin fold.
- v. 7-space content (domain) in the role of base fold.
- vi. 8-space content (domain) in the role of format fold.
- vii. 9-space content (domain) in the role of unity state fold.

3. Along these 7 folds format of solid order transcendental domain emanate 7 fold consciousness state, designated as:

- i. Jagrit avastha (waking state) of consciousness of 3-space format value.
- ii. Swapan avastha (dream state) of consciousness of 4-space format value.
- iii. Sushapti avastha (deep sleep state) of consciousness of 5-space format value
- iv. Turiya avastha (turiya state) of consciousness of 6-space format value
- v. Divya bhav avastha (transcendental state) of consciousness of 7-space format value.
- vi. Bhav-Atet avastha (self-referral state) of consciousness of 8-space format value.

vii. Daiva avastha ('god' state) of consciousness of 9-space format value.

4. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
5. Parallel to each consciousness state is a specific state of physiology for the existence phenomenon (of life).
6. This, as such, brings us face to face with different state of transcendental reality.

■

### LESSON-27 5-SPACE EXISTENCE PHENOMENON

1. 5-space VMS & T chases existence phenomenon of 5-space.
2. One may have a pause here and take note that when space is approached in terms of a solid dimensional frame of 5 dimensions, the same result into manifestation of 5 space content as domain fold of hyper cube 5, the representative regular body of 5-space within 4-space.
3. This manifestation puts 6-space in the role of origin of 5-space, and accordingly creative dimensional order (4-space in the role of dimension) gets superimposed upon solid dimensional order of 5-space domain.

4. It is this feature which makes transcendental domain as of self-referral origin.
5. With it, the existence phenomenon of 5-space acquires format of transcendental domain with self-referral origin.
6. The self-referral origin for the transcendental domain is the unique format features which deserve to be fully glimpsed and to be thoroughly imbibed for its features and values to have proper insight and appropriate enlightenment about the virtues of values of this format of transcendental domain with self-referral origin.



**LESSON-28**  
**TRANSITION FROM FORMAT**  
**OF LORD BRAHAMA TO**  
**FORMAT OF LORD SHIV**

1. Idols of Lord Brahma and Lord Shiv marks their presence in manifested form as formats of hyper cube 4 and hyper cube 5 respectively.
2. Hyper cube 4 is of a 4 folds manifestation layer (2, 3, 4, 5), while hyper cube 5 is of the format of 4 folds manifestation layers (3, 4, 5, 6).
3. Spatial order feature of hyper cube 4 leads to a pair of unit (2 as 1 & 1 as 2) with (1/2) as a working unit, while solid order of hyper cube 5 has quadruple units (1 as 3 & 3 as 1), and also (2 as 3 & 3 as

- 2) leading to a pair of working unit (1/3 and 2/3).
4. As such, transition from the format of hyper cube 4 to that of hyper cube 5 will be an attainment of a reach to a mathematical domain of different values and virtues than that of the feature and values of mathematical domain of spatial order 4-space.
5. Sadhakas fulfilled with intensity of urge to work out mathematical domain of 5-space, shall, first of all have a fresh visit to sequential format for the values being as:
  - i. (1, 2, 3, 4, 5, 6 ...)
  - ii. (1x1, 1x2, 1x3, 1x4, 1x5 ...)
  - iii. (1x1x1, 1x1x2, 1x1x3, 1x1x4, 1x1x5 ...)
6. Further one shall also have a fresh visit to the following feature
  - i.  $(1 \times 1) = 1$
  - ii.  $(1 + 1) = 2$
  - iii.  $(1, 1) = 3$ ; synthesis value of a pair of linear dimensions.
7. Still further one shall have a fresh visit to be reach of linear, spatial and solid order mathematics along single, double and triple artifices of triple value (1,2,3) leading to numbers values ranges:
  - i. (1, 2, 3, 4, 5, ...)
  - ii. (2, 3, 4, 5, 6, ...)
  - iii. (3, 4, 5, 6, 7, ...)
8. Still further one shall have a fresh visit to value triples (1, 2, 3) has that:
  - i. '1' is unique being the first 'count'.

## Transcendental content

ii. '2' is unique being the only even prime

iii. '3' is unique being the first odd prime.

9. Still further one shall have a fresh visit to the format features and values of linear order of 3-space leading to 7 geometries range and its representative regular body (cube) is a structural set up of 31 components (8 corner points, 12 edges, 6 surfaces, 1 volume, 3 axes and 1 origin).

10. It would be a blissful to take note that first perfect number (6) has 3 as biggest proper prime divisor, second perfect number (28) has 7 as the biggest proper prime divisor and third perfect number (496) has 31 as the proper prime divisor.

11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values. ■

## 8

**VALUES OF TRIPLE [(1x1), (1+1)  
AND (1, 1)]**

This day the course focus is upon ‘Values of triple [(1x1), (1+1) and (1, 1)]’. It four folds aspects being taken up are as follows:

37. Values of triple [(1x1), (1+1) and (1, 1)]
38. General
39. Transcendence within transcendental domain
40. Transcendence flow path values formats

The values being covered are to be taught as lessons numbers 29 to 32 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-29****VALUES TRIPLE [(1x1), (1+1), (1, 1)]**

1. Value (1x1) is square format.
2. Value (1+1) is of a line format.
3. Value (1, 1) is of a 3-space domain format.
4. The formats triple (2-space, 1-space, 3-space) is of the feature that the sequential order (1-space, 2-space and 3-space) gets transformed, with 1-space getting middle placement.
5. This feature, further brings us face to face with the middle placement, in a way is the fixation for the gap between the pair of values (counts/ structured points).

6. Parallel, in the opposite orientations (1, 2, 3) shall be having middle placement for value 3 in between the values pairs (1, 2).

7. One may have pause here and take note that such 3 point fixation bringing end value at middle placement is such feature which leads to a format for continuity for the discreet arrangement.

8. One may have a pause here and take note that the manifestation format of hyper cube accepts placement for the origin fold within the domain fold.

9. One shall sit comfortably and to glimpse and imbibe the features of above format for the spatial order values range (2, 3, 4, 5, 6 ...), which for triple values (2, 3, 4), shall be bringing value in between the pair of values (2, 3).

10. It is this feature of the spatial order set up, deserves to be comprehended fully for its complete appreciation to chase the solid dimensional order 5-space domain.

11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

**RECAPITULATION**

## Transcendental content

1. One shall recapitulate the values of transcendental reality learned so far.
2. One shall distinguishing tabulate the distinct feature and value of manifestation within 4-space form transcendence within 5-space.
3. Further, one shall, sequentially chase 7 folds format of consciousness state.
4. One shall further tabulate the features of 5-space existence phenomenon.
5. Still further, one shall chased transition from the format of Lord Brahma to the format of Lord Shiv.
6. It would be a very blissful exercise to chase values triple [(1x1), (1+1), (1, 1)] and the emerging format for reaching at continuity for discreet by having placement at the middle of pair of discreet value.

### LESSON-30 GENERAL

1. Transcendence domain is 5-space domain.
2. Transcendental domain is the domain fold of hyper cube 5.
3. Domain fold of hyper cube 5 is manifested 5-space content lump within 4-space.
4. Transcendental domain is the reservoir of feature, values and virtues of 5-space contents.

### LESSON-31 TRANSCENDENCE WITHIN TRANSCENDENTAL DOMAIN

1. Transcendence within transcendental domain sequentially takes us from 5-space to 3-space as its dimensions and ahead 1-space as its dimension of dimension.
2. Transcendence within a solid dimension (3-space as dimensions), sequentially takes us from 3-space to 1-space, and a head from 1-space to (-1space),
3. Transcendence within creative boundary (4-space as boundary), sequentially takes us from 4-space to 2-space, and a head from 2-space to zero space.
4. Transcendence within self-referral origin (6-space as origin), sequentially takes us from 6-space to 4-space and a head from 4-space to 2-space.
5. One may have a pause here and to glimpse and imbibe the above transcendence phenomenon within all the four folds of hyper cube 5.
6. A step head, one shall glimpse and to chase transcendence from self-referral origin (6-space as origin) to unity state base (7-space as base fold).
7. Further, one shall also to glimpse and to chase ascendance from unity state base through self-referral origin into transcendental domain.



8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
9. It would be a blissful exercise to glimpse and to chase all the above transcendence feature of transcendental domain in its different roles, as transcendental dimensions, transcendental boundary, transcendental origin and transcendental base.
10. One shall fully glimpse and to completely imbibe all the transcendental format features values.
11. These transcendental format feature value will help acquire proper insight and to attain appropriate enlightenment above 5-space Existence Phenomenon.

■

**LESSON-32**  
**TRANSCENDENCE FLOW PATH**  
**VALUES FORMATS**

1. Transcendence flow path value format manifests as Sathapatya measuring rod format of 5-space domain.
2. It manifests as a 5 folds transcendental range.
3. Transcendental values synthesis is parallel to synthesis of 5 folds transcendental ranges.
4. A pair of 5 folds transcendental ranges of order N accepts synthesis value N for their

- synthesis making it of a synthesis value ( $11N + 20$ ).
5. It would be a blissful exercise to glimpse and to chase the features of sequence of synthesis values for all values of N which comes to be  
 (-- -46, -35, -24, -13, -2, 9, 20, 31, 42, 53, 64, ---).
6. It would further be a very blissful exercise to chase domain structured in terms of above range of values as a dimension.
7. It would be a blissful exercise to glimpse and imbibe the emerging sequence of values:  
 (-- -44, -33, -22, -11, 00, 11, 22, 33, 44, 55, 66, ---)
8. It would further be a blissful to glimpse and imbibe the parallel values range as follows:  
 (-- -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, -  
 -)
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

■

### **TRANSCENDENTAL BASE WITHIN CREATOR'S SPACE**

This day the course focus is upon 'Transcendence Base within Creator's Space'. It four folds aspects being taken up are as follows:

37. Vedic mathematics.
38. Transcendental base.
39. Transcendental base within creator's space.
40. Transcendence range as translation path.

The values being covered are to be taught as lessons numbers 33 to 36 to the students of 5-space Vedic Mathematics, Science & Technology.

#### **LESSON-33 VEDIC MATHEMATICS**

1. Vedic Mathematics is the basis base of Vedic knowledge systems.
2. Vedic knowledge systems chase transcendence from manifested creations format.
3. Manifested creation format is of 4 folds manifestation layer features and transcendence there from takes to the base (fold) of manifested creation.
4. This reach at base (fold) of 4 folds manifestation layer makes base fold being the 5<sup>th</sup> fold.
5. The reach values of base (fold) manifest as base values of Vedic system and of bases base mathematics of Vedic system.
6. This bases base mathematics is the reservoir of Vedic Mathematics values.

7. Sadhakas fulfilled with intensity of urge to know and to explore within a aim to imbibe the values of Vedic Mathematics shall glimpse, comprehend and to imbibe this transcendental base of Vedic Mathematics.

#### **LESSON-34 TRANSCENDENTAL BASE**

1. Transcendental base may be formally defined and to be accepted as 5-space (domain), as the base (fold) of manifested (4-fold) creations.
2. 5-space domain, as such, is the 5-space content lump manifested as domain fold of hyper cube 5 within creator space (4-space).
3. 5-space domain as base fold of 4-fold manifestation layer becomes the 5<sup>th</sup> fold, as an extension a head of 4-folds format. This extension, as such, will amount to transition from 4 folds manifestation layer to 5-fold transcendence range.
4. With this, transformation for 4-folds manifestation layer format into 5-fold transcendence range format will brings us face to face with the reach of Vedic Mathematics values.
5. It is this reach which is to be aimed to be attained by the Sadhakas / Students of Vedic Mathematics, Science & Technology.
6. This is going to be the attainment of transcendental base within Creator's space.

### LESSON-35 TRANSCENDENTAL BASE WITHIN CREATOR'S SPACE

1. This transcendental base within creator's space is at transcendental origin of 4-space.
2. It would be blissful to glimpse 4-space as origin of 3-space and further, 5-space as origin of 4-space.
3. It would be blissful to glimpse cube as hyper cube 3 as a 4 folds manifestation layer (1, 2, 3, 4) / (1-space as dimension, 2-space as boundary, 3-space as domain and 4-space as origin).
4. And, a step ahead, hyper cube 4 is a 4 folds manifestation layer (2, 3, 4, 5) / (2-space as dimension, 3-space as boundary, 4-space as domain and 5-space as origin).
5. One may have a pause here and take note that, the pair of 4 folds manifestation layers (1, 2, 3, 4) and (2, 3, 4, 5) together manifests along the format of transcendence range (1, 2, 3, 4, 5).
6. One may further have a pause here and to take note that, the format of transcendence range (1, 2, 3, 4, 5) becomes a translation path for the 4-fold manifestation layer (1, 2, 3, 4) and during translation along this transcendence path, the manifestation layer (1, 2, 3, 4) transits and transforms into next manifestation layer (2, 3, 4, 5).

■

### LESSON-36 TRANSCENDENCE RANGE AS TRANSLATION PATH

1. It would be blissful to visit and revisit the transcendence range (1, 2, 3, 4, 5) as a translation path.
2. It would be blissful to glimpse transcendence range (1, 2, 3, 4, 5) as a 2 fold translation path, firstly as translation for manifestation layer (1, 2, 3, 4, 5), for its transition and transformation as a reach (2, 3, 4, 5). And, as a reverse orientation translation path for (2, 3, 4, 5) for its transition and transformation reach as (1, 2, 3, 4).
3. In general, the transition range (N, N+1, N+2, N+3, N+4) becomes the 2 folds translation path for a pair of manifestation layers (N, N+1, N+2, N+3) and (N+1, N+2, N+3, N+4).
4. One shall sit comfortably and permit the transcending mind to continuously remain in pronged sitting of trans and to fully glimpsed and to completely imbibe the features of translation path provided by a transcendence range for a pair of manifestation layers acceleration path of self-referral ranges.
5. A self referral range (1, 2, 3, 4, 5, 6) becomes a translation path for a transcendence range (1, 2, 3, 4, 5).
6. One may have a pause here and take note that the transcendence range (1, 2, 3, 4, 5) itself is a translation path for a manifestation layer (1, 2, 3, 4).
7. One may have a pause here and take note that the manifestation layer (1, 2, 3, 4) with its translation path (1, 2, 3, 4, 5) acquires acceleration for its

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translation along self-referral range  
(1, 2, 3, 4, 5, 6).

8. One may further have a pause here and take note that this feature value of manifestation layer (1, 2, 3, 4) along self-referral range (1, 2, 3, 4, 5, 6) with a degree of difference  $(6-4) = (2)$ , further brings us face to face with the parallel format of (dimension, domain)/  $(N, N+2)$ .
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to fully glimpse and to completely imbibe the above parallel features of acceleration for the 4-folds manifestation layer along 6 fold self-referral range, on the one hand, and of 4-space as dimension, and 6-space as domain as the format of Sathapatya measuring rod, the other hand.



## 10 SEQUENTIAL PROGRESSION OF INTELLIGENCE

This day the course focus is upon ‘Sequential progression of intelligence’. It four folds aspects being taken up are as follows:

41. Sathapatya measuring rod format.
42. Reach steps.
43. Vedic mathematics values dissemination range.
44. Sequential progression of intelligence.

The values being covered are to be taught as lessons numbers 37 to 40 to the students of 5-space Vedic Mathematics, Science & Technology.

### LESSON-37 SATHAPATYA MEASURING ROD FORMAT

1. Lord Vishnu is the presiding deity of Sathapatya measuring rod.
2. Lord Brahma is the presiding deity of measure of the Sathapatya measuring rod.
3. Lord Shiv is presiding deity of Ati-Vahikas/transcendental carriers along the Sathapatya measuring rod format.
4. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to fully glimpse and to completely imbibe the format feature of above organization format of Sathapatya measuring rod.
5. It is this format of transcendental base of Vedic Mathematics which is to be aimed to be attained by the

Sadhakas/ student of Vedic Mathematics, Science & Technology.

### LESSON-38 REACH STEPS

1. Reach steps for this attainment may be as follows:
  - a. Along artifices of numbers, a number value 5 may be availed.
  - b. Along spatial format, grid 5x5 may be availed.
  - c. Along dimensional domain, the transcendental domain (5-space domain) is to be availed.
  - d. Within creator’s space, its transcendental origin (5-space as origin) is to be availed.
  - e. Along sequential creation range, the 5 folds transcendence range is to be availed.
  - f. Along transcendence ranges, base fold is to be availed.
  - g. Along different roles of 5-space, its transcendental dimensional order role (5-space as dimension) is to be availed.
  - h. Along numerals range, the numeral of middle placement is to be availed.
  - i. Along middle placement numeral, numeral 5 of ten place value system is to be availed.
  - j. Along boundary, transcendental boundary (5-space as boundary) of self-

referral domain (6-space domain) is to be availed.

- k. Along Divya Ganga Parvaha, the quadruple stream flow (9, 7, 3, 1) with transcendental jump at middle over value 5 is to be availed.
  - l. Of transcendence, both upward and downward transcendence at the origin fold is to be availed.
  - m. Of processing system, both Yoga and Sankhya are to be availed.
  - n. Of formats, both artifices and dimensional frames are to be availed.
  - o. Of existence phenomenon both within frame and without frame are to be chased.
  - p. Of life system, both manifest and un-manifest states are to be accepted.
  - q. Of values, both of intelligence and of consciousness to be respective.
  - r. Of life cycle, both terminating and cyclic are taken to being ordained of value pair (0, 1) both are to be permitted to play  $1^0:1$  and  $0^1:0$ .
2. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

■

### LESSON-39 VEDIC MATHEMATICS VALUES DISSEMINATION RANGE

The young mind has a natural right to have perfection of intelligence during due course of schooling phase itself. However, the innocence state of young minds is having scratch and dent and each step of learning process. Parent, teachers and everybody is feeling helpless to come out of this situation.

The intensity of urge to regales out of the present helpless situation of the existing process of learning steps of the young minds, naturally takes us to Ancient Wisdom of our Ancestor Time. Here we are face to face with Vedic Mathematics, the basis base mathematics of Vedic knowledge systems.

The aphorism format of Vedic Mathematics makes a condensed values text. But the inner unfolding process there off on its full expression, blissfully becomes full domain of complete spectrum spread sheet of whole range of mathematical values of pure as well as of applied features.

The blissful reach-ness this mathematical domain deserves to be fully glimpsed and to be completely comprehended for its through

appreciation to acquire proper insight and to attain appropriate enlightenment for adopting it as a plain stream Discipline of mathematics instructions syllabus during formal school education for young minds.

The advantage of learning Vedic mathematics values is not only in having perfection of intelligence in due course, but also, in addition to that we shall be organizing whole range of knowledge as a single Discipline.

With it, we shall having a comprehensive view of the Existence phenomenon of the full range of our solar universe itself. Further with it, the entire earth to sun range will get mathematically formatted. And our existence phenomenon within human frame and the outside existence phenomenon of solar universe without frame will become unison stream of values.

This unison flow of values streams within and without human frame, as to be of earth to sun range leads to a Sathapatya measuring rod format as the ultimate organization format of whole range of knowledge as a single discipline, of inclusive of whole range of existence

phenomenon, within and without frame.

As such the learning process for young minds, for proper perfection of intelligence, is to be formatted parallel to features values of the format of Sathapatya measuring rod, being the synthetic set up of hyper cubes 1 to 6. Here would be relevant to take note that the hyper cube format is 4 folds manifestation layer format parallel to features values of format of Idol of Lord Brahma, over lord of real 4-space.

With it, real 4-space becomes the basic creator's space. The whole range of creations have to be chased as per creation format of features of Idol of Lord Brahma. This chase shall be bringing us face to face with the transcendental origin (5-space as origin) of creator's space (4-space).

With it, the transcendence through creation format is going to be the attainment with which intelligence field will get perfected along the consciousness state of human mind. It is this attainment which is going to be ultimate goal of learning and teaching during schooling phase of young minds.

One's, with perfection of intelligence, the schooling phase is

## Transcendental content

over, the further explorative chase by perfect minds is going to be of the order of nature sustained by Brahman order.

Senior Sadhakas blissfully glimpse and fully imbibe the virtues of the values of Brahman order. Sadhakas fulfilled with intensity of urge to know and to explore sustain-ness of natural order of Brahman order shall go to the shelter of senior Sadhakas go blissfully imbibe and have made Brahman order as a lively base of their own Existence Phenomenon.



### LESSON-40 SEQUENTIAL PROGRESSION OF INTELLIGENCE

1. Intelligence progresses sequentially. They order of progression is parallel to the states of consciousness format, which as well unfold sequential the
2. Consciousness state is of compactified set up. There are 7 state of consciousness. These states of consciousness make progression order for the Brahman domain (9-space domain).
3. 9-space domain with 7-space in the role of dimension that way makes consciousness order for the Brahman virtues domain.
4. The intelligence field along consciousness format of 7 compactified states become of transcendental features.
5. One may have a pause here and take note that the transcendental feature of intelligence field, the unity state of compactification and Brahman range of virtues, make a 'features, values and virtues' format sequentially taking to intelligence field of transcendental feature , consciousness state of unison value and Brahman domain of self-referral virtues format.
6. This leads to parallel artifices triple format of values (5, 7, 9) of summation value  $(5+7+9) = 21 = (1 + 2 + 3 + 4 + 5 + 6)$  parallel to the format of Sathapatya measuring rod synthesized by hyper cubes 1 to 6, in that sequence and order.
7. With it, 5-space as transcendental dimensional order works out intelligence field.
8. A step head, unity state works out unity domain with 7-space domain) of consciousness.
9. And a step further ahead, there is going to be reach to reach at the Brahman reservoir of virtues of values of features of the existence phenomenon of phases and stages of transcendental intelligence field features, unity state consciousness domain values and Brahman virtues.
10. With it, the perfection range is to be sequentially of 1-space to 9-space range. Therefore, the learning and teaching is to be parallel to this range of 1-space to 9-space format.
11. Chase of this range is to be in terms of the space content manifesting as 1-space content to 9-space content.
12. This space content manifestation is to be head as domain fold of hyper cube format.



13. This shall be bringing us face to face with 1-space content manifesting as domain fold of hyper cube 1 to 9-space content manifesting as domain fold of hyper cube 9.
14. Accordingly, learning and teaching is to be of and along the format of hyper cube 1 to hyper cube 9. However hyper cube format is of 4 folds permitting transcendence at the 4<sup>th</sup> (origin fold), as such chase is to extend up-till the 5<sup>th</sup> fold (base fold).
15. The transcendental base shall be permitting further sequential transcendence up-till unity state, and a step head, up-till Brahman domain.
16. One may have a pause here and to permit the transcending mind to glimpse and imbibe this transcendence phenomenon and parallel to it will complete the learning and teaching for perfection of intelligence.
17. It would be blissful to tabulate above learning and teaching steps and to follow the same while the disseminating Vedic Mathematics value to young mind during their schooling phase.
18. This in way settles the Vedic Mathematics curiculum for schools Vedic Mathematics.



11

**PHASED LEARNING OF VMS & T**

This day the course focus is upon 'Phased learning of VMS & T'. It four folds aspects being taken up are as follows:

- 45. Chase along the format of sequential of order of range: (linear order).
- 46. Distinctiveness of differently ordered domain.
- 47. Sequentially phased learning and teaching of VMS & T:
  - a. School level.
  - b. Graduation level.
  - c. Post graduation level.
- 48. 3-space VMS & T.

The values being covered are to be taught as lessons numbers 41 to 44 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-41**

**CHASE ALONG THE FORMAT OF SEQUENTIAL OF ORDER OF RANGE: (LINEAR ORDER)**

- 1. Existence phenomenon chase is of sequential range of orders: linear order to Brahman order.
- 2. Linear order to Braham order range is of 9 sequential step of 1-space in the role of dimension to 9-space in the role of dimension
- 3. Linear order (1-space) in the role of dimension takes to the format of hyper cube 3.
- 4. And a step ahead,
  - a. Spatial order (2-space) as dimension leads to format of hyper cube 4.

- b. Solid order (3-space) as dimension leads to format of hyper cube 5.
  - c. Creator order (4-space) as dimension leads to format of hyper cube 6.
  - d. Transcendental order (5-space) as dimension leads to format of hyper cube 7.
  - e. Self-referral order (6-space) as dimension leads to format of hyper cube 8.
  - f. Unity state order (7-space) as dimension leads to format of hyper cube 9.
  - g. Natural order (8-space) as dimension leads to format of hyper cube 10.
  - h. Brahman order (9-space) as dimension leads to format of hyper cube 11.
5. The dimensional orders become the formats of measure of the dimensional domain.
- a. Linear order accept measure of value (1 as 1)
  - b. Spatial order accepts measure of value (1 as 2 and 2 as 1).
  - c. Solid order accepts measure of value (1 as 3 and 3 as 1).
  - d. Creator order accepts measure of value (1 as 4 and 4 as 1).
  - e. Transcendental order accepts measure of value (1 as 5 and 5 as 1).
  - f. Self-referral order accepts measure of value (1 as 6 and 6 as 1).
  - g. Unity state order accepts measure of value (1 as 7 and 7 as 1).

- h. Natural order accepts measure of value (1 as 8 and 8 as 1).
- i. Brahman order accepts measure of value (1 as 9 and 9 as 1).
6. Sadhakas fulfilled with intensity of urge to know and to explore further the reach of relationship between dimension fold and domain fold shall workout dimension fold as a format of measure of the domain fold.
7. This chase will bring us face to face with mathematics, sciences and technologies of 1-space to 9-space of measure [(1 as 1), (1 as 2 and 2 as 1), (1 as 3 and 3 as 1), (1 as 4 and 4 as 1), (1 as 5 and 5 as 1), (1 as 6 and 6 as 1), (1 as 7 and 7 as 1), (1 as 8 and 8 as 1) and (1 as 9 and 9 as 1)].
8. One may have a pause here and take note that the number value sequence (1, 2, 3, 4, 5, 6, 7, 8, 9 ...) sequentially unfolds its linear order to higher orders as of formats:
- (1, 2, 3, 4, 5, 6, 7, 8, 9 ...)
  - ( $1^0 \times 1, 1^0 \times 2, 1^0 \times 3, 1^0 \times 4, 1^0 \times 5, 1^0 \times 6, 1^0 \times 7, 1^0 \times 8, 1^0 \times 9 \dots$ ).
  - ( $1^1 \times 1, 1^1 \times 2, 1^1 \times 3, 1^1 \times 4, 1^1 \times 5, 1^1 \times 6, 1^1 \times 7, 1^1 \times 8, 1^1 \times 9 \dots$ )
  - ( $1^2 \times 1, 1^2 \times 2, 1^2 \times 3, 1^2 \times 4, 1^2 \times 5, 1^2 \times 6, 1^2 \times 7, 1^2 \times 8, 1^2 \times 9 \dots$ )
  - ( $1^3 \times 1, 1^3 \times 2, 1^3 \times 3, 1^3 \times 4, 1^3 \times 5, 1^3 \times 6, 1^3 \times 7, 1^3 \times 8, 1^3 \times 9 \dots$ )
  - ( $1^4 \times 1, 1^4 \times 2, 1^4 \times 3, 1^4 \times 4, 1^4 \times 5, 1^4 \times 6, 1^4 \times 7, 1^4 \times 8, 1^4 \times 9 \dots$ )
- g. ( $1^5 \times 1, 1^5 \times 2, 1^5 \times 3, 1^5 \times 4, 1^5 \times 5, 1^5 \times 6, 1^5 \times 7, 1^5 \times 8, 1^5 \times 9 \dots$ )
- h. ( $1^6 \times 1, 1^6 \times 2, 1^6 \times 3, 1^6 \times 4, 1^6 \times 5, 1^6 \times 6, 1^6 \times 7, 1^6 \times 8, 1^6 \times 9 \dots$ )
- i. ( $1^7 \times 1, 1^7 \times 2, 1^7 \times 3, 1^7 \times 4, 1^7 \times 5, 1^7 \times 6, 1^7 \times 7, 1^7 \times 8, 1^7 \times 9 \dots$ )
- j. ( $1^8 \times 1, 1^8 \times 2, 1^8 \times 3, 1^8 \times 4, 1^8 \times 5, 1^8 \times 6, 1^8 \times 7, 1^8 \times 8, 1^8 \times 9 \dots$ )
- k. ( $1^9 \times 1, 1^9 \times 2, 1^9 \times 3, 1^9 \times 4, 1^9 \times 5, 1^9 \times 6, 1^9 \times 7, 1^9 \times 8, 1^9 \times 9 \dots$ )
9. It would be a blissful to visit and to revisit the feature of addition of length with length, area with area, volume with volume and higher volume with higher volume.
10. It would further be blissful to visit and to revisit the feature of a dimensional frame of a pair of linear dimensions, and of a pair of spatial dimension, and of a pair of solid dimensions, and of a pair of hyper solid dimensions.
11. It would be a blissful to visit the feature of multiplication along a line, along a surface, within a space.
12. Still further it also would be blissful to visit and to revisit reflection operation, as a pair of horizontal orientations, and of a pair of vertical orientations.
13. Multiplication, as a repeated addition, and multiplication, as addition of power, are the feature of multiplication operation, which deserves to be properly comprehended for their complete appreciation.

## Transcendental content

14. Likewise, division, as a repeated subtraction, and division as a subtraction of power, as well deserves to be properly comprehended for complete appreciation.
15. The chase of a line as a format for setting of points, and line as a 1-space domain of negative linear order constituents, as well deserves to be properly comprehended for complete appreciation, like wise surface as a format for setting of points and lines, and further, surface as 2-space domain, as well deserves to be properly comprehended for its through appreciation.

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### **LESSON-42 DISTINCTIVENESS OF DIFFERENTLY ORDERED DOMAIN**

1. Linear order to Brahman order distinctively structure Tri-Loki to Rudras Universe.
2. Tri-Loki to Rudras Universe are structurally ordered as per the synthetic values of dimensional frames of linear dimensions to Brahman dimensions.
3. Tri-Loki as a linearly ordered domain is framed within a dimensional frame of 3 linear dimensions.
4. So framed domain within a dimensional frame of 3 linear dimensions results into manifestation of 3-space content lump enveloped within a spatial boundary.
5. This results into a double framed 3-space domain, firstly because of a dimensional frame of 3 linear dimensions, and secondly due to the spatial boundary enveloping 3-space domain itself.
6. So framed 3-space domain accepts a creative origin (spatial 4-space) in the role of origin.
7. So ordered and such ordnance of 3-space domain, with its double frame due to its dimensional frame and enveloping boundary together with its origin, that way makes it a distinctively ordered domain fold of hyper cube 3 (cube).
8. With superimposition of origin a 3 dimensional frame upon the origin of this domain fold, makes this domain fold being a sealed domain fold of 3-space (content).
9. One may have a pause here and take note that sealed domain fold (3-space) and this domain fold in its unsealed state make this domain fold being of a pair of different set up.
10. One may have a pause here and to visit and revisit above features of 3-space (content) manifesting as a domain fold of hyper cube 3 (cube).
11. It would be a blissful exercise to glimpse and to comprehend above features distinctively as the structural spectrum of 3-space domain.
12. It would further be a blissful exercise to sequentially chase structural spectrum of the whole range of domain folds of hyper cube (3, 4, 5, 6, 7, 8, 9, 10, 11), in that sequence and order and to have a comprehensive view of distinctiveness of these dimensionalised domains.

13. It would be blissful to take note that the distinctiveness of values structures of linear, spatial, solid, creative, transcendental, self-referral, unity state, natural state and Brahman state ordered domains makes distinct Discipline of mathematics, sciences and technologies.
14. Sadhakas fulfilled with intensity of urge to know and to explore further distinctiveness of values of mathematics, sciences and technologies of different dimensional spaces, shall sequentially chase linear ordered domain to Brahman ordered domain in terms of their measures and the measuring rod.
15. This chase will bring us face to face with the distinctive values as:
  - a. 3-space V.M.S & T
  - b. 4-space V.M.S & T
  - c. 5-space V.M.S & T
  - d. 6-space V.M.S & T
  - e. 7-space V.M.S & T
  - f. 8-space V.M.S & T
  - g. 9-space V.M.S & T
  - h. 10-space V.M.S & T
  - i. 11-space V.M.S & T
2. 4-space VMS & T shall be the central focus of learning and teaching for class 10.
3. 5-space VMS & T shall be the central focus of learning and teaching for class 11.
4. 6-space VMS & T shall be the central focus of learning and teaching for class 12.

## II

### GRADUATION LEVEL

1. 7-space to 9-space VMS & T values may be the central focus of studies at graduation level.

## III

### POST GRADUATION LEVEL

1. 10-space and 11-space VMS & T values to be of central focus of explorations and post graduation level.
2. Senior Sadhakas performs Dwadash Yajana to be unison with the order of Dwadash Adithyas (Suns).
3. Policy makers aiming to enliven learning and teaching of Ancient Wisdom may implement the policy of parallel values.

## LESSON-43 SEQUENTIALLY PHASED LEARNING AND TEACHING OF VMS & T

### I

#### SCHOOL LEVEL

1. 3-space VMS & T shall be the central focus of learning and teaching for class 9.

## LESSON-44

### 3-SPACE VMS & T

1. 3-space VMS & T focus is going to be upon:
  - i. Linear order
  - ii. Dimensional frame of 3 linear dimensions.
  - iii. 3-space content
  - iv. 3-space content lump.
  - v. 3-space domain (fold).
  - vi. Sealed 3-space domain within double frame of dimensional

## Transcendental content

- frames and of enveloping spatial boundary.
- vii. On un-sealed state domain fold of 3-space.
- viii. 7 geometries range of 3-space.
- ix. 7 versions of cube.
- x. 3-space as dimension fold.
- xi. 3-space as boundary fold.
- xii. 3-space as domain fold.
- xiii. 3-space as origin fold.
- xiv. 3-space as base (fold).
- xv. 3-space as format (fold).
- xvi. 3-space as unity state (fold).
- xvii. Cube within cube
- xviii. Interval, square and cube within cube.
- xix. Sathapatya measuring rod of 3-space.
- xx. Synthesis set up of hyper cube 0, hyper cube 1, hyper cube 2 and hyper cube 3.
- xxi. The range of values (-1, 0, 1, 2, 3, 4, 5, 6).
- xxii. Linear dimensional synthesis values range (-1, 0, 1, 3, 6, 10, 15, 21).
- xxiii. Spatial dimensional synthesis values range (-2, 0, 2, 4, 6, 8, 10, 12).
- xxiv. Solid dimensional synthesis values range (-3, 0, 3, 5, 6, 5, 3, 0).
- xxv. Structural synthesis of a pair of intervals leads to  $(3+2) = 5$  structural components set up.
- xxvi. Structural synthesis of a quadruple of square leads to  $(9+6) + (6+4) = 25$  structural components set up.
- xxvii. Structural synthesis of 8 cubes of leads to  $[\{(27+18) + (18+12)\} + \{(18+12) + (12+8)\}] = 125$  structural components set up.
- xxviii. The values triple  $(5^1, 5^2, 5^3)$ .
- xxix. 2-space accepts 5 geometries range parallel to it, there are 5 versions of square of hyper cube 2.
- xxx. Creative origin (4-space as origin) is of a spatial order, and it permits transcendence for lead up-till base (fold).
- xxxi. Base, fold/ 5<sup>th</sup> fold, as extension of 4 folds (1, 2, 3, 4)/ (1-space as dimension, 2-space as boundary, 3-space as domain and 4-space as origin) (5-space as base).
- xxxii. The enveloping boundary of cube is a structural set up of 26 components (8 corner points, 12 edges, 6 surfaces).
- xxxiii. In each corner points of cube is embedded a 3 dimensional frame of half dimensions within inwards orientations.
- xxxiv. Cube as 4 internal diagonals.
- xxxv. The end points of the diagonals are superimposed upon the corner of the cube which are seats of origins of 3 dimensional frames embedded in the respective corner points.
- xxxvi. And the internal diagonal of the cube plays the role of translation path for inward translation for the dimensional frames embedded in the corner points.

xxxvii. The inward translation of pair of 3 dimensional frames with their reach at the centre synthesis a 3 dimensional frame of full dimensions.

Mathematics, Science & Technology to values of spatial order 4-space Vedic Mathematics, Science & Technology.

xxxviii. The synthetic set up of quadruple 3 dimensional frame of full dimensions together with the 3 dimensional frame of the cube make a set up of five 3 dimensional frames of full dimensions which together go parallel to the solid dimensional frame of 5 dimensions of transcendental domain.

xxxix. It is the compactified state of origins and centre of the cube which brings us face to face with the 5-space as origin of 4-space, which itself is of origin of 3-space, all having a common seat of placement as centre of the cube.

xl. It would be a blissful exercise to glimpse and imbibe superimposition of origins of 3, 4 and 5-spaces.

xli. It is the sequentially release of origins during transcendence at the creative origin fold of 3-space which makes 3-space Vedic Mathematics, Science & Technology beings very reach Discipline of Mathematics, Science and Technologies.

xlii. It would be a blissful to glimpse and imbibe the values of the process of transition from linear order 3-space Vedic

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12

**TRANSCENDENTAL EXISTENCE**

This day the course focus is upon ‘Transcendental Existence’. It four folds aspects being taken up are as follows:

- 55. Transcendental Existence
- 56. Transcendental Domain
- 57. Idol of Lord Shiv
- 58. Eka-Dwadash Rudras

The values being covered are to be taught as lessons numbers 45 to 48 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-45**

**TRANSCENDENTAL EXISTENCE**

- 1. Transcendence existence phenomenon is the existence phenomenon of 5-space.
- 2. This is a reality of 5-space content.
- 3. Dimensionalization of space as 5-space, and as a result there of, space content transition and transforming as 5-space content, emerge as the basic format features, values and virtues of transcendental existence phenomenon.
- 4. Transcendental existence phenomenon is a phase and stage of existence ahead of manifested creation format features, values and virtues.
- 5. Manifested creation format, features, values and virtues are of 4-space reality, while transcendental existence phenomenon is a 5-space reality.
- 6. As such, to properly glimpse and to completely appreciate format features, values and virtue of transcendental existence as 5-space

reality, one shall transit format feature, values and virtues of manifestation creations reality of 4-space.

- 7. With it, the first learning step of transcendental existence phenomenon is to be about transition from manifested creation reality of 4-space format.
- 8. Towards it, the first step is going to be to have a reach at format of hyper cube 5 within Creator’s space (4-space) along the format of Idol of Lord Brahma, over Lord of real 4-space.
- 9. This in a way, going to be a blissful exercise of transition and reach from format of hyper cube 4 to format of hyper cube 5.
- 10. A step ahead, it is going to be a transition and reach from the format features, values and virtues of Idol of Lord Brahma, format features, values and virtues of Idol of Lord Shiv.
- 11. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to sequentially glimpse and imbibe the values of hyper cube 4 and hyper cube 5, as a first step, and of Idol of Lord Brahma and of Idol of Lord Shiv, as a second step.

**LESSON-46**

**TRANSCENDENTAL DOMAIN**

- 1. A transcendental domain is a 5-space domain.



2. The prominent role of 5-space domain is has domain fold of hyper cube 5.
3. It has such brings to focus the feature and value of transcendental domain being as of 5-space content lump manifesting as domain fold of hyper cube 5.
4. With it, the structure of the format of hyper cube 5, come in to play for reach at features and values of transcendental domain.
5. Further as that, these feature values are related to self-referral origin (5-space), creative boundary (4-space as boundary of 5-space) and to solid order (3-space in the role of dimension of 5-space). This as such makes transcendental domain being structurally very rich.
6. Still further, as so structured and so framed 5-space domain, as manifested space content lump of 5-space, is to play the role of transcendental dimension (5-space as dimension of 7-space) transcendental boundary (5-space as boundary of 6-space) and transcendental origin (5-space as origin of 4-space), this as such, further bring us face to face with the richness of format features, values and virtues of transcendental domain.
7. Still further, 5-space as base fold of 4-space as origin of 3-space shall be bringing to focus and additional range of format features, values and virtues of transcendental domain.
8. Transcendence from the base fold through origin fold into transcendental domain, and, the other way round, transcendence from transcendental domain through its self-referral (6-space) origin up-till its unity state (7-space) base will further provides as insight about the format features, values and virtues of transcendental domain.
9. It would be a blissful exercise to glimpse transcendence phenomenon of transcendental domain which takes from 5-space as domain to 3-space as dimensions, and a step ahead from 3-space dimension to 1-space as dimensions.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

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### LESSON-47 IDOL OF LORD SHIV

1. One shall sit comfortably and to glimpse and imbibe the format features values and virtues of Idol of Lord Shiv, over Lord of real 5-space.
2. Lord Shiv has 5 heads.
3. Each head of Lord Shiv is equipped with triple eyes.
4. Lord Shiv as 10 beautiful long arms.
5. Within cavity of heart of Lord Shiv is the seat of self-referral Lord Vishnu.
6. Lord Shiv mediates with in cavity of his own heart upon self-referral Lord Vishnu and gets multiplied as Dwadash Adhityas (12 suns).
7. 5-space as 5 dimensions.

## Transcendental content

8. Each dimension of 5-space is solid order.
9. 5-space as creative boundary of 10 components 6-space plays the role of origin of 5-space.
10. 6-space is enveloped with a transcendental boundary of 12 components.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. It would be a blissful exercise to reach at the comparative table of formats features, values and virtues of hyper cube 5 and of Idol of Lord Shiv.

### LESSON-48 EKA-DASH RUDRAS

1. Lord Shiv incarnate Himself as Eka-Dash Rudras.
2. Eka-Dash Rudras incarnation of Lord Shiv is parallel to 11 versions of hyper cube 5.
3. Further, 11 versions of hyper cube 5 are parallel to 11 geometries range of 5-space.
4. 11 versions of hyper cube 5 are the formats of bodies of 11 geometries of 5-space.
5. One may have a pause here and take note that 5-space has creative boundary (4-space in the role of boundary of 5-space).
6. Creative boundary of hyper cube 5 splits into ten components.
7. These 10 components with their presence and absence set ups make

- hyper cube 5 of 11 versions as 5-space domain, sequentially accepts (10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0) number of boundary components.
8. 5-space domain with (10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0) number of boundary components as such, become as that respectively (10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0) number of boundary components mark their presence and their presence as such may be taken as their signature (of presence).
9. Accordingly the respective geometries of 5-space, of which 5-space domain with signature of boundary components make these geometries as being of (10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0) signature range.
10. The signature range (10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0) permits its re-organization as (-5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5) signature range.
11. One may have a pause here and take note that hyper cube 5 with its complete boundary of 10 components, can be sequentially worked out by having removal of (1, 2, 3, 4, 5) components, this will brings us face to face with absence of (1, 2, 3, 4, 5) components.
12. It would be blissful to approach 5-space domain being free of its entire boundary, and one can sequentially add (1, 2, 3, 4, 5) components.
13. In both above situation the reach would be set up of hyper cube 5 with its only half boundary of 5 components being intact and its remaining half boundary of 5 components being absent.
14. One shall sit comfortably and take 5-space domain with its half

boundary of 5 components and to glimpse it firstly as having being reach by sequential addition of (1, 2, 3, 4, 5) components.

15. One may have a pause here and fresh look at above set ups of 5-space domain with its half boundary being absent.
16. It would be as if its 5 components having being strip off step by step with removal of (1, 2, 3, 4, 5) components.
17. It would be a blissful to take note that 5-space domain with its half boundary being present and other half boundary having being strip off, shall be getting middle placement of zero signature seat while the 5 components of absent part of the boundary shall be depicting (-5, -4, -3, -2, -1) signature and half boundary of 5 components, with their presence to sequentially represent (1, 2, 3, 4, 5) signature.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. One shall glimpse and re-glimpse the organization of signature range (10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0).
20. One shall further visit and to revisit the organization of signature range (-5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5).
21. It would be a blissful exercise to reach from signature range (10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0) to signature range (-5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5).



13

**GLIMPSE 5-SPACE**

This day the course focus is upon 'Glimpse 5-space'. It four folds aspects being taken up are as follows:

- 59. Dwadash Adtiyas
- 60. To Glimpse 5-space
- 61. Cube Sequence
- 62. Quadruple Formulation (Shiva, Parvati, Skands, Ganesha).

The values being covered are to be taught as lessons numbers 49 to 52 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-49**

**DWADASH ADTIYAS**

- 1. 5-space plays the role of transcendental boundary of self-referral domain (6-space domain).
- 2. Transcendental boundary of self-referral domain is of 12 components.
- 3. These 12 components of transcendental boundary of self-referral domain manifest formats of 12 suns (6-space origins).
- 4. One may have a pause here and take note that 6-space plays the role of origin of 5-space.
- 5. It would be a blissful to take note that 5-space plays the role of boundary of 6-space and 6-space itself plays the role of origin of 5-space.
- 6. It would be a blissful to take note that 5-space plays the role of origin of 4-space while 4-space plays the role of dimension of 6-space.
- 7. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged

sitting of trans and to glimpse and imbibe the phenomenon of interrelationship of 4, 5 and 6 spaces.

- 8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
- 9. It would be very blissful to visit and revisit 5-space domain free of all of its boundary components.
- 10. 6-space as origin of 5-space domain and 5-space itself playing the role of boundary of 6-space and this boundary permitting splitting into 12 components format, features values and virtues of transcendental domain which deserves to be glimpsed and to be imbibe the completely for though appreciation to acquire proper insight and appropriate enlightenment of formats, features values and virtues of transcendental domain.
- 11. It would be blissful to distinctively glimpse and to imbibe the formats, features, values and virtues of lord Shiv incarnating as 11 Rudras, and further, Lord Shiv playing the role of Dwadash Adtiyas.
- 12. One shall sequentially reach at the format, features, values and virtues of Eka Rudras and Dwadash Adtiyas.
- 13. It would be a blissful to take note that number value  $(11+12) = 23$  with its re-organization as  $23 = (3+5) + (3 \times 5)$  bring us face to face with the interrelationship of transcendental domain 5-space

domain) and solid order (3-space as dimension).

14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats, features and values.

### LESSON-50 TO GLIMPSE 5-SPACE

1. Space itself, like space content, is a manifested creation along the creation format of Creator's space (4-space).
2. Manifested creations are of the format of compactified range of origins.
3. It is this, compactification features of origins at the seat of origin fold of hyper cube format which deserves to be glimpsed fully and same is to be comprehended completely for through appreciation of creative existence of space like that of space content.
4. It is this parallel interrelated creative existence of space and content which makes 'space content' as of a unified existence of indistinguishable parallel formats, features, values and virtues their off for both space and content.
5. Akash (space) and Dravya (content) are the pair of formulation which accepts transcendental code value (8, 17).
6. One may have a pause here and take note that values pairs (8, 17) accepts re-organization as  $\{8, (2 \times 8 + 1)\}$  parallel to 8-space domain being of

17 versions range of hyper cube 8 parallel to 17 geometries range of 8-space.

7. One may have a pause here and take note that number value 8 accepts re-organization as  $8 = (3+5)$  and value pair 3, 5 is parallel to the format of 3-space as dimension, 5-space as domain.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. One shall sit comfortably and to permit the transcending mind to visit and revisit the above formats, features, values and virtues of space and content, with space being the 5<sup>th</sup> element and being of a solid dimensional order.
10. One shall glimpse and imbibe the reality of 5-space as a reality of our existence phenomenon.
11. It is this transcendental existence reality which is being blissfully lived by the Sadhakas (Students of Vedic Mathematics, Science & Technology).

### LESSON-51 CUBES SEQUENCE

1. 3-space plays the role of dimension of 5-space.
2. Cube is the representative regular body of 3-space.
3. As such, 5-space domain accepts organization in terms of a sequence of cube.

## Transcendental content

4. One way to express sequence of cube is as values sequence ( $1^3, 2^3, 3^3, 4^3 \dots$ ).
5. One may have a pause here and take note that values ( $1^3, 2^3, 3^3, 4^3 \dots$ ) will bring us face to face with outwards expansions.
6. Further as that, 4-space plays the role of origin of 3-space and 4-space being a spatial order space, hyper cube 4 accepts solid boundary of 8 components and such as reach from linear order 3-space to spatial order 4-space will be bringing us face to face with inwards expansion.
7. The outward expansion of steps ( $1^3, 2^3, 3^3$ ) and inward expansion of step ( $1^3, 2^3, 3^3$ ) will provide us and insight us about the reach from linear order 3-space set up structuring solid order 5-space set up.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. The chase of above structuring of 5-space domain in terms of a solid order takes us to linear order of dimension of dimension.
10. One may have a pause here and take note that the 3-space domain accepts a 3 dimensional frame of spatial dimensions as base fold a 3 dimensional frame of linear dimensions.
11. One may further have a pause here and take note that spatial order base for linear order is there because of 6-space playing the role of origin of 5-space and 6-space domain gets structure in terms of 4-space as dimension and 2-space as dimension of dimension.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
13. Scriptures enlightens us that this structural organization of transcendental domain presided by Lord Shiv is attained by Lord Ganesh.
14. Lord Ganesh is over Lord of dimension of dimension of transcendental domain goddess Parvati is the goddess of creative boundary of transcendental domain.
15. Lord Shiv is the over lord of the transcendental domain.
16. Lord Skands, elder brother of Lord Ganesh is the over Lord of the self-referral origin (6-space as origin) of transcendental domain (5-space domain).
17. Sadhakas fulfilled with intensity of urge to know and to explore further the of transcendental domain (5-space domain) shall permit the transcending mind to glimpse and to imbibe the virtues of transcendental family of Lord Shiv and Goddess Parvati being blessed with Lord Skands and Lord Ganesh as the transcendental sons of the transcendental family.
18. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to fully glimpse and to completely imbibe the transcendental codes values of

quadruples formulations (Shiva, Parvati, Skands and Ganesha).

■

**LESSON-52**  
**QUADRUPLES FORMULATIONS**  
**(SHIVA, PARVATI, SKANDA AND**  
**GANESHA)**

1. Quadruples formulation (Shiva, Parvati, Skanda and Ganesha) accepts transcendental code value (12, 28, 20, 20).
  2. It would be a blissful exercise to chase virtues of these quadruples transcendental code values (12, 28, 20, 20), which bring us face to face with parallel quadruple formulations (Yoga, Braham, Dev, Ved) of quadruple transcendental code value (12, 28, 20, 20).
  3. It would be a blissful exercise to tabulate formulations respectively accepting transcendental code value (12, 28, 20, 20).
  4. One may have a pause here and take note that the transcendental boundary of self-referral domain is a set up of 12 components.
  5. It would be a blissful to take note that number value 28 is the second perfect number and it accepts 5 proper divisors (1, 2, 4, 7, 14).
  6. Further as that, the sum of the synthesis values of single, double, triple and quadruple dimension of same order is '20'.
  7. It would further be relevant to take note that the sum of the synthesis value of single, double, triple, quadruple and five dimensions of transcendental order (5-space as dimension) also remains '20'.
  8. It would be blissful to take note that in case of transcendental dimensional order (5-space in the role of dimension), the synthesis value of 5 transcendental dimensions comes to be '0'.
  9. As such, the sum of single, double, triple and quadruple transcendental dimensions comes to be '20' and synthesis values of single, double, triple, quadruple and five transcendental dimensions as well comes to be '20'.
  10. It would further be relevant to take note that summation value of quadruple value (12, 28, 20, 20) come to be '80' which is accepting organization as  $80 = (8 \times 10)$ , which is parallel to the 80 components of solid boundaries of all the creative boundary component of transcendental domain.
  11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
-

14

**LORD GANESHA AND LORD SKANDS**

This day the course focus is upon 'Lord Ganesha and lord skands'. It four folds aspects being taken up are as follows:

- 63. Formulation Ganesha
- 64. Formulation Skands

The values being covered are to be taught as lessons numbers 53 to 54 to the students of 5-space Vedic Mathematics, Science & Technology.

**LESSON-53  
FORMULATIONS GANESHA**

1. Formulation 'Ganesha' is a composition of 6 letters.
2. First letter is of placement of third letter of first row of Vargas consonant.
3. It is of geometric format of 3-space domain.
4. The second letter of Ganesha formulation is the first vowel.
5. It is the geometric format of a dimensional frame of 1-space.
6. It has such is a single dimension of negative linear order.
7. This as such, is a reach up-till dimension of dimension of 3-space.
8. 3<sup>rd</sup> letter of formulation Ganesha is 5<sup>th</sup> letter of the 3<sup>rd</sup> row of Vargas consonants.
9. It is of the role of 7-space as base fold of 6-space.
10. 4<sup>th</sup> letter of formulation Ganesha is the 6<sup>th</sup> vowel.
11. It is of the format of a dimensional frame of 6-space.
12. It would be relevant to take note that 4-space plays the role of dimension of 6-space.
13. 5<sup>th</sup> letter of formulation Ganesha is the first Ushamana letter.
14. It is of transcendental code value 2.
15. It as such, amounts to a spatial base for upward transcendence.
16. 6<sup>th</sup> letter of formulation Ganesha is the first vowel, and as such, it is of the format of a dimensional frame of 1-space, which is constituted by a single dimension of a negative linear order.
17. One may have a pause here and take note that this as such leads us to values range (3,-1, 7, 4, 2, -1).
18. Values wise it is of a range (3, 1, 7, 4, 2, 1).
19. One may have a pause here and take note that values triples (4, 2, 1) is parallel to (2<sup>2</sup>, 2<sup>1</sup>, 2<sup>0</sup>).
20. It is further parallel to first 3 proper divisor of perfect number '28'.
21. Further quadruples values (7, 4, 2, 1) are parallel to first four proper divisor of perfect number '28'.
22. One may have a pause here and take note that formulation 'Sapt / seven' accept TCV value 14 which is double of the value '7'.
23. The values triples (3, 1, 7) leads us to the set up of 3-space with 1-space in the role of dimension leading to 7 geometries range.
24. One shall sit comfortably and to permit the transcending mind to glimpse pair of triples values ranges (3, 1, 7) and (4, 2, 1).
25. Further one shall glimpse the whole range (3, 1, 7), (4, 2, 1).
26. One shall further sit comfortably and to glimpse 3 dimensional frame



of 3 linear dimensions with a 3 dimensional frame of 3 spatial dimensions making out the structure of 3 space domain.

27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

### LESSON-54

### FORMULATION SKANDS

1. Formulation Skands is a composition of 6 letters which accepts transcendental code value range (3, 1, 1, 8, 6, 1).
2. The value 3 as transcendental code value of first letter of formulation Skands accepts organization as  $(2/2 + 2/2 + 2/2)$ .
3. Number value 1 as TCV value of second letter accepts organization as  $(2/2 \times 2/2 \times 2/2 \times 2/2)$ .
4. 3<sup>rd</sup> letter of formulation Skands accepts transcendental code value 1 as of 1-space dimensional frame of single dimension of negative dimensional order.
5. 4<sup>th</sup> letter of formulation Skands accepts transcendental code value 8 which accepts re-organization as '8' =  $(2 \times 2 \times 2) = (2+2+2+2)$ .
6. 5<sup>th</sup> letter of formulation Skands accepts transcendental code value 6 which accepts re-organization as '6' =  $(2+2+2)$ .
7. The 6<sup>th</sup> letter of formulation Skands accepts transcendental code value 1 of first vowel of the format of 1-

space dimensional frame of single dimension of negative linear order.

8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. It would be a blissful exercise to sequentially chase the values of the letters of formulation Skands and to reach at its virtues.
10. One may have a pause here and take note that these values and virtues settle the coverage of the translation path along the internal diagonal of 3 space domain beginning with the corner point of the cube, where is embedded a 3 dimensional frame of half dimensions of inwards orientations.
11. And, it takes up-till centre of 3-space domain/ seat of origin of 3-space.
12. A reach up-till origin of 3-space results into a transition and transformation for reversal of the orientation of half dimensions, and there by happening a synthesis of a pair of a 3 dimensional frame of half dimensions having reach from respective corner point up-till centre of the cube on their translation along the common internal diagonal of the cube passing through the centre of the cube.

## Section-5 6-space

1. About this year course
2. Values of 6-space
3. Six domain
4. Different roles of 6-space
5. Surya ank
6. Phased chase steps
7. Transcendence boundary
8. Dharuv and his mantras
9. 6-space technical terms
10. Hyper cube wise features tabulation
11. 6-space as domain & 4-space as dimension
12. Hyper cubes sequence
13. Compactified range of origins
14. Enveloping boundaries universe
15. Idol of lord brahma and idol of lord shiv
16. New generic gaps counts
17. Transcendental code values formulations
18. Domains range (3, 4, 5, 6, 7)
19. Self-referral ranges
20. 6-space content value chase
21. Fixation of boundary
22. Self-referral domain with a transcendental window
23. Flow out through transcendental windows
24. 3 point fixation of solid dimensional order
25. Number value 21, 22, 23, 24
26. Number values 25, 26, 27, 28
27. Number value 29, 30, 31, 32
28. Numbers values 33, 34, 35, 36
29. Number values 37, 38, 39
30. Divya ganga parvaha
31. Sam ved samhita
32. Transcendental carriers
33. Real 7-space
34. Hyper cube 7 format
35. Archi & rashimi
36. Realtionship of 7-space with 1 to 13-spaces
37. Real 8-space
38. Brahman domain
- 39.
40. Grid 8x8 cells 8x8x8
41. Manifestation and de-manifestation
42. Aspiring for original glory



# SECTION-5

## 6-SPACE

### 1 Page 400

#### ABOUT THIS YEAR COURSE

1. About this year course.
2. Regular self-referral evaluation is the expectation form the Sadhakas.
3. One shall share one's evaluation of one's comprehensions with the senior Sadhakas.
4. 6-space features.

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#### VALUES OF 6-SPACE

5. Values of 6-space
6. 2<sup>5</sup> organization feature of number value 6
7. 6-space value system
8. 12 place value systems

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#### SIX DOMAIN

9. Six domain.
10. Number value 6.
11. Number value 28.
12. 6-space.

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#### DIFFERENT ROLES OF 6-SPACE

13. Different role of 6-space.
14. Hyper cube 6.
15. 7-space origin.
16. Measuring rod of 6-space domain.

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#### SURYA ANK

17. Surya Ank.

18.  $6 = (3+3) = (2+2+2)$ .

19. Glimpsing real 6-space.

20. 6-space VMS & T.

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#### PHASED CHASE STEPS

21. Phased chase steps.
22. 6-space topical aspects.
23. 6-space mathematics.
24. 6 dimensional frames.

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#### TRANSCENDENCE BOUNDARY

25. Ganita Sutra '1' formulation '*Ekadbikana*'.
26. Transcendental boundary.
27. Ganita Sutra '1' formulation '*Purvena*'.
28. Transition from 5-space to 6-space.

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#### DHARUV AND HIS MANTRAS

29. Values ranges (1, 2, 3, 4, 5, 6, 7, 8, 9, 10) And (11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
30. Dharuv and his Mantras.
31. Intelligence Field Base of Consciousness Format.
32. Affine Innocence and Intelligence Field.  
(Along Consciousness Format).

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#### 6-SPACE TECHNICAL TERMS

33. 6-space technical terms
34. Hypercube 6.
35. Self-referral range.

36. Sathapatya measuring rod.

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### **HYPER CUBE WISE FEATURES TABULATION**

- 37. Hyper cube wise features tabulation.
- 38. Srimad bhagwat geeta study zone
- 39. 12 place value system.
- 40. 6 space Mathematics

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### **6-SPACE AS DOMAIN & 4-SPACE AS DIMENSION**

- 41. 6 space as domain & 4 space as dimension.
- 42. 6 space as origin of 5 space & 5 space as origin of 4 space.
- 43. Ganita Sutra 1
- 44. Sathapatya measuring rod (Format feature)

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### **HYPER CUBES SEQUENCE**

- 45. Hyper cubes sequence
- 46. Extension of four fold format of creation into 5 and higher folds formats of creation
- 47. Set up of boundary and boundary of boundary
- 48. 6-space mathematics

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### **COMPACTIFIED RANGE OF ORIGINS**

- 49. Sathapatya measuring rod.
- 50. Compactified range of origins.
- 51. Transcendence within self-referral domain.
- 52. Formulation 'Eka-Adhikena'.

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### **ENVELOPING BOUNDARIES UNIVERSE**

- 53. Reach at enveloping boundaries universe.
- 54. Mathematics of self-referral domain in sealed state.
- 55. Dynamic state self-referral domain.
- 56. Constitutions of self-referral domain.

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### **IDOL OF LORD BRAHMA AND IDOL OF LORD SHIV**

- 57. Transcendental Lord.
- 58. Idol of Lord Brahma and Idol of Lord Shiv.
- 59. Creative domain goes transcendental.
- 60. Glimpsing and imbibing of value of self-referral domain from the transcendental base.

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### **NEW GENERIC GAPS COUNTS**

- 61. New generic gaps counts.
- 62. Parallel inward and outward expansions.
- 63. Transcendental code values formulations.
- 64. Domains range (3, 4, 5, 6, 7).

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### **TRANSCENDENTAL CODE VALUES FORMULATIONS**

- 65. Processing of self-referral domain from within.
- 66. New generic gaps counts.

67. Parallel inward and outward expansions.
68. Transcendental code values formulations.

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**DOMAINS RANGE (3, 4, 5, 6, 7)**

69. Domains range (3, 4, 5, 6, 7).
70. Transcendence core of our solar universe.
71. Synthesis of dimensions of same order and of sequential organization of dimensional frames.
72. Divya Dravya (Transcendental content).

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**SELF-REFERRAL RANGES**

73. Sequential transition of self-referral ranges.
74. Translation path of manifested creation.
75. Modern Mathematical tools.
76. Go transcendental to full-filled with Brahman grace.

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**6-SPACE CONTENT VALUE CHASE**

77. 6-space content value chase.
78. Simultaneous availability of origin and domain fold orders.
79. Sequential Sathapatya measuring rods.
80. Dimensional frames and dimensional orders.

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**FIXATION OF BOUNDARY**

81. Boundary of boundary.
82. Fixation of boundary within dimensional frame of domain fold.
83. Geometries of 6-space.
84. Transcendental order space outside 6-space, as well as inside 6-space.

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**SELF-REFERRAL DOMAIN WITH A TRANSCENDENTAL WINDOW**

85. Self-referral domain free of its boundary.
86. Self-referral domain with a transcendental window.
87. Creator order flow from transcendental window.
88. Flow out through a pair of transcendental window.

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**FLOW OUT THROUGH TRANSCENDENTAL WINDOWS**

89. Flow out through triple transcendental window of self-referral domain.
90. Structural coordination for a pair of transcendental domain with single transcendental window.
91. Structure coordination between pair of self-referral domains each with double windows.
92. Coordination reach for single eye with orb of the sun.

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**3 POINT FIXATION OF SOLID DIMENSIONAL ORDER**

## Transcendental content

93. 3 point fixation of solid dimensional order.
94. Let us glimpse format features and values of formulations Aatma, Mann, Disha and Kaal.
95. Reach from discrete to continuity along the format of Asht Prakarti (8 fold nature).
96. Number value 20.

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### **NUMBER VALUE 21,22,23,24**

97. Number value 21.
98. Number value 22.
99. Number value 23.
100. Number value 24.

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### **NUMBER VALUES 25, 26,27, 28**

101. Number value 25.
102. Number value 26.
103. Number value 27.
104. Number value 28.

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### **NUMBER VALUE 29, 30,31, 32**

105. Number value 29.
106. Number value 30.
107. Number value 31.
108. Number value 32.

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### **NUMBERS VALUES 33, 34, 35, 36**

109. Number value 33.
110. Number value 34.
111. Number value 35.
112. Number value 36.

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### **NUMBER VALUES 37, 38, 39**

113. Number value 37.
114. Number value 38.
115. Number value 39.
116. Sole syllable Om.

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### **DIVYA GANGA PARVAHA**

117. Divya Ganga Parvaha.
118. Transcendental code values of components formulations.
119. Synonyms range.
120. Sri Mad Bhagwat Geeta.

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### **SAM VED SAMHITA**

121. Sam Ved Samhita.
122. Quadruple perfect numbers (6, 28, 496, 8128).
123. Values triple (N, N+1, N+2) with (N and N+2) being prime.
124. Transcendental phenomenon.

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### **TRANSCENDENTAL CARRIERS**

125. Self-referral domain.
126. Transcendental carriers carry self-referral domain.
127. Let us glimpse again orb of the sun.
128. One shall compile one's own dictionary of 6-space Mathematics.

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### **REAL 7-SPACE**

129. Real 7-space

130. Divya-Vastu (transcendental object)  
 131. 7-space content  
 132. Number value 7

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**HYPER CUBE 7 FORMAT**

133. Hyper cube 7 format  
 134. Inward and outward unity state expansion of our solar universe  
 135. Numbers values ranges 1 to 16 and 17 to 32  
 136. 7-dimensional frame of 7-space domain and 7 artifices of number value

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**ARCHI & RASHIMI**

137. Yeh trishapta paryanti vishwa  
 138. Archi, aarchik and rashimi  
 139. Vishwa to jagat (world to transcendental world)  
 140. Rahu and ketu vidhi vidhana (head and Trunck)

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**REALTIONSHIP OF 7-SPACE WITH 1 TO 13-SPACES**

143. Organizational relationship of 7-space with 1 to 13 spaces  
 144. Fourteen components of self-referral boundary  
 145. Unity state VMS & T

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**REAL 8-SPACE**

146. Real 8-space  
 147. Hyper cube 8 domain fold

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**BRAHMAN DOMAIN**

148. Brahman domain sustain integrating of natural domain  
 149. 9<sup>th</sup> sub cube

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150. Corner of a cube being the creative origin  
 151. Split in synthesis of natural domain and self-referral order

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**GRID 8X8 CELLS 8x8x8**

152. Vidya  
 153. Grid 8x8 and cell 8x8x8

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**MANIFESTATION AND DEMANIFESTATION**

154. Manifestation and demanifestation of structural components during split and synthesis of domain fold  
 155. Real 8-space (16, 17, 18 & 19)

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**ASPIRING FOR ORIGINAL GLORY**

154. Systems to be approached the system way  
 155. Vedic mathematics values sutras  
 156. Sathapatya measuring rod  
 157. Compactified mental states, intelligence field and consciousness state  
 158. Attainable values of Vedic mathematics research projects  
 159. Vedic mathematics  
 160. Sutras text to avail Devnagri alphabet values

## Transcendental content

161. Transcendental to self-referral and self-referral to unity state
162. Sequential manifestation and dissolution of Sathapatya measuring rod
163. Sequential mental stages
164. Manifestation and dissolution of hypercube 1,2 and 3 within hypercube 1
165. Manifestation and dissolution of hypercube 1,2,3 and 4 within hypercube 4
166. Dissolution Of Mental States And Emergence Of Existence Phenomenon Of Higher Orders
167. 3-space VMS & T
168. 4-space VMS & T





## 1

**ABOUT THIS YEAR COURSE**

This day the course focus is upon 'About this year course'. It four folds aspects being taken up are as follows:

5. About this year course.
6. Regular self-referral evaluation is the expectation form the Sadhakas.
7. One shall share one's evaluation of one's comprehensions with the senior Sadhakas.
8. 6-space features.

The values being covered are to be taught as lessons numbers 1 to 4 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-1****ABOUT THIS YEAR COURSE**

1. This year course focus upon reality of 6-space.
2. The reality of 6-space is being chased as features and values of 6-space content.
3. Features of 6-space, bring us face to face with the reality of 6-space, the way it manifests.
4. Concentration is to remain upon content of 6-space mathematics.
5. 6-space mathematics goes parallel to the values of 6-space content manifesting as a domain fold of hyper cube 6 along the creation format of Idol of Lord Brahma, the presiding deity of Real 4-space.
6. Mathematics of 6-space, as values of 6-space domain becomes the basis base of VMS & T of 6-space.
7. The chase format is of Sathapatya measuring rod presided by Lord

Vishnu, the over Lord of 6-space and 'measure' of the measuring rod is presided by Lord Brahma, the over Lord of real 4-space.

8. Sathapatya measuring rod settles the translation path format for transcendental carriers for their reach up-till orb of the sun, from where Brahman carriers take over.
9. Sadhakas fulfilled with intensity of urge to know and to explore further shall go transcendental and further to know self-referral transcendental to be blissful Brahman Grace. ■

**LESSON-2****REGULAR SELF-REFERRAL EVALUATION IS THE EXPECTATION FORM THE SADHAKAS**

1. The Aim of the course being that one shall attain the goal of glimpsing and imbibing the values of 6-space reality, as such, the expectation from the Sadhakas is that they shall regularly evaluate themselves about their comprehension and imbibing of the values of 6-space reality.
2. As the chase format of 6-space reality is of the features and values of Sathapatya measuring rod, as such one shall fully glimpse and to completely imbibe the format feature and values of Sathapatya measuring rod as the prerequisite of this chase of 6-space reality. Sathapatya measuring rod settles the translation the path of transcendental carriers carrying the

## Transcendental content

self-referral content, manifesting and playing the role of origin of transcendental domain.

3. With this, Sadhakas shall comprehend and imbibe the values of translation path of transcendental carrier and one shall regularly evaluate oneself about one's comprehension and imbibing of this phenomenon.
4. The reach of transcendental carrier up-till orb of the sun is the attainment feature of the transcendental carriers and this attainment is the fulfillment in itself.
5. This fulfillment as such is going to be a goal of Sadhakas chasing 6-space 'reality'.
6. The values of this fulfillment are blissful and same shall be the learning goal of Sadhakas chasing 6-space reality.
7. The bliss of value of this attainment, of its own as self-referral inherent virtue, shall be putting the consciousness of Sadhakas along the Brahman carrier path.
8. It is this stage of transcendental carriers going self-referral deserves to be glimpsed and to be imbibed by the Sadhakas.
9. The Sadhakas fulfilled with intensity of urge to know and to explore self-referral transcendental state, shall go the transcendental way of Lord Brahma and self-referral way of transcendental Lord Shiv.
10. Scriptures preserve the enlightenment that Lord Brahma meditates within cavity of his own heart upon transcendental Lord Shiv and with grace of transcendental Lord, the Lord Brahma multiplies as ten Brahmas.

11. Scriptures further preserve the enlightenment as that transcendental Lord Shiv meditates within cavity of his own heart upon self-referral Lord Vishnu, and with the grace of self-referral Lord Vishnu, the transcendental lord multiplies as 12 Adityas (suns).
12. Further as that, Lord Vishnu meditates within cavity of his own heart, upon the transcendental Lord Shiv and with the grace of transcendental Lord, there happens outward and inward expansions of unity state (7-space) with natural origin of self-referral order (8-space) playing the role of origin of 7-space and 8-space itself being of a self-referral order (6-space in the role of dimension of 8-space).
13. It would be blissful to glimpse and to imbibe as that the transcendental boundary of self-referral domain structures outside space with unity state of transcendental order.
14. These features, values and virtues deserves to be continuously evaluated and as such, the expectation from the Sadhakas chasing 6-space reality would be to continuously evaluate oneself about one's comprehension and imbibing of values and virtues of reality of 6-space. ■

### **LESSON-3** **ONE SHALL SHARE ONE'S** **EVALUATION OF ONE'S** **COMPREHENSION WITH THE** **SENIOR SADHAKAS.**

1. For insured blissful progress of proper chase of 6-space reality, it

would be desirable that one shall regularly share one's evaluation of one's comprehension, and chase of 6-space reality with senior Sadhakas.

2. This, in a way, becomes an interactive learning and exploring methodology.
3. This interactive learning and exploring methodology is the ultimate methodology of Vedic systems.
4. This methodology, despite its focus upon the subjective chase of individual, the same, in its interactive mode, of its own, becomes of objective values and virtues.
5. The reach from subjectivity to objectivity and also of reach from objectivity to subjectivity focus upon two fold comparison of values and virtues of 'Vyakti and Vastu'.
6. Two folds comparison of values and virtues of Vyakti and Vastu, bring us face to face firstly with glimpsing of values of Vyakti in reference Vastu as a base. And, secondly to reach at values of Vastu in reference to Vyakti as base.
7. The transcendental code value of Vastu is 19.
8. The transcendental code value of formulation Vyakti is 18.
9. The values pairs (18, 19) brings us face to face with re-organization of value 18 as  $18 = (3 + 4 + 5 + 6)$ , which is parallel to four folds manifestation layer (3, 4, 5, 6) of hyper cube 5.
10. On the other hand, number value 19 is parallel to the placement value 19 of southern-hemisphere of our solar universe.

11. It would be blissful to take note that the triple values state (6, 7, 6) of unity state origin release with disintegration of self-referral domain makes a summation value  $(6 + 7 + 6) = 19$ .
12. Further as that, the middle value 18 of values triple 17, 18, 19 brings us face to face with the synthesis joint value 18 for the pair of hemispheres of placement values (17, 19).
13. One shall sit comfortably and permit the transcending mind to continuously for 6-space as origin of 5-space glimpse and imbibe the above organization format. ■

#### LESSON-4 6-SPACE FEATURES

1. 6-space features cognizance may be in many ways. Of these, one of the significant way is to glimpse the same in terms of artifices of number value 6.
2. The expression  $6 = (1 + 1 + 1 + 1 + 1 + 1)$  may give the impression, as if count '1' in its frequency 6 may make equal value for all the counts. However, counts as such may be the. It may be the value as well. It is this differentiation of reach as cardinality, and as value, deserves to be comprehended well for its through appreciations  $(1 = 1)$ ,  $(1 = \frac{1}{2} + \frac{1}{2})$ ,  $(1 = \frac{1}{3} + \frac{1}{3} + \frac{1}{3})$ , ...  $(6 = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6})$ , deserve to be comprehended well by taking 1 as sets of elements of cordiality: 1, 2, 3, 4, 5, 6 respectively.

## Transcendental content

3. Further  $1^0 = 1^1 = 1^2 = 1^3 = 1^4 = 1^5 = 1^6$  also deserves to be comprehended well for their value, and also for their formats as  $1^0$  is a single point,  $1^1$  is a linear unit,  $1^2$  is a spatial unit,  $1^3$  is a solid unit,  $1^4$  is a creative unit,  $1^5$  is a transcendental unit and  $1^6$  is a self-referral unit.
4. Point, is a zero space body, linear unit is a 1-space body, spatial unit is a 2-space body, solid unit is a 3-space body, creative unit is a 4-space body, transcendental unit is a 5-space body and self-referral unit is a 6-space body.
5. This further brings us face to face with the set ups of hyper cubes 0 to 6 as representative regular bodies of 0 space to 6-space.
6. One may have a pause here and take note that  $6 = (1+1+1+1+1+1) = (1^1+1^2+1^3+1^4+1^5+1^6)$ , sequentially lead us to a set up of hyper cubes 1 to 6.
7. It is this feature which deserves to be chased to glimpse and imbibe the features of a 6-space domain of hyper cube 6 being the representative regular body of 6-space.
8. It shall be bringing us face to face with the manifestation of 6-space domain within a 6-space domain itself.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. This as such, shall be bringing us face to face with the feature of 6-space content manifesting as 6-space domain, and further re-manifesting as a 6-space domain within a 6-space domain itself. ■

## 2

**VALUES OF 6-SPACE**

This day the course focus is upon 'Values of 6-space'. It four folds aspects being taken up are as follows:

9. Values of 6-space
10.  $2^5$  organization feature of number value 6
11. 6-space value system
12. 12 place value systems

The values being covered are to be taught as lessons numbers 5 to 8 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-5****VALUES OF 6-SPACE**

1. Feature of 6-space content bring us face to face with 6-space domain re-manifesting within 6-space domain itself. This leads us to a spatial order of features of 6-space content.
2. The spatial order creates 4-space and such creation brings us face to face with values of 6-space content.
3. Feature with spatial order lead to renewing format with 6-space content domain manifesting as 6-space domain itself.
4. The spatial order leads to creator's space as values of 6-space content.
5. With it, 6-space content manifests its values as 'creator'.
6. Creator creates and creation becomes the virtues of the values of the features of 6-space contents.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and

imbibe the above formats features and values.

8. Sadhakas fulfilled with intensity of urge to know and to explore features, values and virtues of 6-space reality shall chase features, values and virtues of 6-space contents.
9. It would be a blissful exercise to sequentially glimpsed features, values and virtues as spatial order reach, as creator and as creation spatial order takes us up-till dimension of dimension of 6-space.
10. Creator takes us up-till dimension of 6-space.
11. Creation takes us up-till transcendental boundary of self-referral domain.
12. Sadhakas fulfilled with intensity of urge to know and to explore further the self-referral domain itself, shall go the Lord Brahma way and to meditate within cavity of one's own heart and to attain the transcendental grace.
13. A step ahead, one shall go Lord Shiv way and to meditate further to attain the self-referral grace.

■

**LESSON-6** **$2^5$  ORGANIZATION FEATURE OF NUMBER VALUE 6**

1. Sequential range of 6 linear units accepts coverage for 5 spatial units.
2. This takes us from  $1^6$  to  $2^5$ .
3. With choices from numbers values range (1, 2, 3, 4, 5, 6) we shall be reaching at  $2^5$  number of summation value 6.

## Transcendental content

4. These  $2^5 = 32$  summations choices are as follows:

- i.  $6 = 6$
- ii.  $6 = 1+5$
- iii.  $6 = 5+1$
- iv.  $6 = 1+1+4$
- v.  $6 = 1+4+1$
- vi.  $6 = 4+1+1$
- vii.  $6 = 4+2$
- viii.  $6 = 2+4$
- ix.  $6 = 2+1+3$
- x.  $6 = 2+3+1$
- xi.  $6 = 1+2+3$
- xii.  $6 = 1+3+2$
- xiii.  $6 = 3+2+1$
- xiv.  $6 = 3+1+2$
- xv.  $6 = 3+1+1+1$
- xvi.  $6 = 1+3+1+1$
- xvii.  $6 = 1+1+3+1$
- xviii.  $6 = 1+1+1+3$
- xix.  $6 = 3+3$
- xx.  $6 = 2+2+2$
- xxi.  $6 = 2+2+1+1$
- xxii.  $6 = 2+1+2+1$
- xxiii.  $6 = 2+1+1+2$
- xxiv.  $6 = 1+1+2+2$
- xxv.  $6 = 1+1+1+1+2$
- xxvi.  $6 = 1+1+1+2+1$
- xxvii.  $6 = 1+1+2+1+1$
- xxviii.  $6 = 1+2+1+1+1$
- xxix.  $6 = 2+1+1+1+1$
- xxx.  $6 = 1+2+2+1$
- xxxi.  $6 = 1+2+1+2$
- xxxii.  $6 = 1+1+1+1+1+1$

5. These 32 organization features of number value '6' deserve to be glimpsed and to be imbibed to reach

at their respective values and virtues.

6. For the values and virtues of above 32 organization features of number value '6', its first feature  $6 = 6$  and its last feature  $6 = (1+1+1+1+1+1)$  bring us face to face with 6-space domain re-manifesting within 6-space domain.
7. The last feature  $6 = (1+1+1+1+1+1)$  bring us face to face with 6-space domain permitting a measuring rod synthesized by hyper cubes 1 to 6.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values. ■

### LESSON-7 6-SPACE VALUE SYSTEM

1. 6-space value system accepts 5 numeral (1, 2, 3, 4, 5).
2. With '0' as a place value of the system, it makes a range of (0, 1, 2, 3, 4, 5) basic values entity in terms of which every number value can be organized along 6 place value system.
3. Value 6 itself, permits its placement along 6 place value format as a double digit expression '10'.
4. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

- 5. Number value 6 with its expression as '10' along 6 place value system deserve to be glimpsed and to be imbibed fully.
- 6. It would be a blissful exercise to organize all the 35 double digit number of 6-space value system along 5x7 grids as follows.

**01 02 03 04 05**  
**10 11 12 13 14**  
**15 20 21 22 23**  
**24 25 30 31 32**  
**33 34 35 40 41**  
**42 43 44 45 50**  
**51 52 53 54 55**

- 7. It would be a blissful exercise to reach at organization of triple digit number of 6 place value systems.



**LESSON-8**

**12 PLACE VALUE SYSTEMS**



- 1. 12 place value systems has 11 numeral range, which together with place value '0' makes a range of 12 basic values entities for organization of whole range of numbers values along 12 place value systems.
- 2. Value  $12 = (2 \times 6)$  takes us to  $a^6:12b^5$  formulation of domain boundary ratio of hyper cube 6.
- 3. The transcendental boundary of 12 components of self-referral domain makes a format for 12 place value systems.
- 4. It would be blissful to take note that 5-space has 11 geometries range and parallel to it, there are 11 versions of hyper cube 5, the representative regular body of 5-space.

- 5. Parallel to 11 versions of hyper cube 5 is the 11 numeral range of 12 place value systems.
- 6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
- 7. It would further be blissful to permit the transcending mind to glimpse and imbibe the organization of self-referral domain (6-space domain) and its transcendental boundary within 5-space boundary of 12 components. As format of 6 place value system and 12 place value system.
- 8. These parallel formats will help acquire insight about the 6-space reality feature permitting chase in terms of artifices of number value 6.

3

**SIX DOMAIN**

This day the course focus is upon 'Six domain'. It four folds aspects being taken up are as follows:

13. Six domain.
14. Number value 6.
15. Number value 28.
16. 6-space.

The values being covered are to be taught as lessons numbers 9 to 12 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-9**  
**SIX DOMAIN**

1. Formulation six domain accepts number value format  $(52 + 56)$ .
2. Number value  $(52 + 56) = 108$  is parallel to number value format of formulation 'geometry'.
3. Further as that, number value 108 accepts re-organization as  $108 = (54 + 54)$ , which is parallel to NVF of formulations pair (sun, sun).
4. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
5. Six domain has geometric further brings us face to face with pairing (sun, sun).
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
7. Let us have a pause and a fresh visit to formulations pair (sun age, sun age) = NVF (67, 67) = NVF (water, water) = NVF (number value).
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. It would be a blissful to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the values and virtues of above NVF equations.
10. It would be a blissful to take note that NVF (domain) = NVF (light).
11. It would be a blissful to take note that NVF (six) = NVF (earth).
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
13. It would be a blissful to take note that NVF (sunlight) = NVF (meditation).
14. Sadhakas fulfilled with intensity of urge to know and to explore further shall make one's own dictionary of NVF values formulations.
15. Further it would also prepare one's own dictionary of transcendental code value formulations.
16. It would be a blissful exercise to have comparative studies of number values as NVF values and also as TCV values.
17. These comparisons will help acquire proper insight about the parallel as well as the distinguishing feature of



NVF formulations and of transcendental code value formulations. ■

### LESSON-10 NUMBER VALUE 6

1. Number value 6 is the unique as it is the value of first perfect number.
2. Further it is a unique perfect number as much as that here in this case sum its proper divisors is equal to the product of proper divisors.
3. This feature  $(1 + 2 + 3) = (1 \times 2 \times 3)$  as sum of proper divisor being equal to product of proper divisor uniquely available in respect of number value 6 only.
4. With it, number value 6 and parallel to it 6-space acquire unique importance. ■

### LESSON-11 NUMBER VALUE 28

1. Number value 28, as well as, the value of a perfect number, a second perfect number but in this case sum of it five proper divisor is equal to 28 but their product value is much bigger as much as that  $(1 + 2 + 4 + 7 + 14) = 28$ , while  $(1 \times 2 \times 4 \times 7 \times 14) = 784$ .
2. One may have a pause here and take note that values pair (6, 8) and values pair (784, 786) are of (dimension, domain) format. ■

### LESSON-12 6-SPACE

1. 6-space as 6-space content manifesting as 6-space domain, in

the role of dimension creates its space.

2. Split of 6-space domain leads to spectrum of entities (1, 2, 5 and 12).
3. One may have a pause here and take note that 6-space domain, in itself a single entity spectrum of its own.
4. Split of 6-space domain as a pair of entities of 4-space domains, also simultaneously releases a single entity of spatial order being dimension of dimension of 6-space.
5. A step ahead, there emerges is spectrum of 5 entities of 2-space domain values and in addition there emerges pair of dimension of dimension order entities of zero order.
6. As such, a step ahead, there happen to be a spectrum of 12 entities of zero space domain set up and in addition their being a release of 5 entities of (-2 space) domain as dimension of dimension values.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values. ■

4

**DIFFERENT ROLES OF 6-SPACE**

This day the course focus is upon ‘Different roles of 6-space’. It four folds aspects being taken up are as follows:

- 17. Different role of 6-space.
- 18. Hyper cube 6.
- 19. 7-space origin.
- 20. Measuring rod of 6-space domain.

The values being covered are to be taught as lessons numbers 13 to 16 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-13**

**DIFFERENT ROLE OF 6-SPACE**

- 1. Amongst others, following are 6 prominent role of 6-space:
  - (I) 6-space as domain fold of hyper cube 6.
  - (II) 6-space as boundary fold of hyper cube 7.
  - (III) 6-space as dimension fold of hyper cube 7.
  - (IV) 6-space as origin folds of hyper cube 5.
  - (V) 6-space as base fold of hyper cube 4.
  - (VI) 6-space as format fold of hyper cube 3.
- 2. Above different role of 6-space can be depicted as 6x6 formats as under:

1	2	3	4	5	6
2	3	4	5	6	7
3	4	5	6	7	8
4	5	6	7	8	9
5	6	7	8	9	10
6	7	8	9	10	11

- 3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.



**LESSON-14**  
**HYPER CUBE 6**

- 1. Hyper cube 6 is the representative regular body of 6-space manifesting as four folds manifestation layers (4, 5, 6, 7) within creator’s space (4-space).
- 2. Hyper cube 6 is of a creative dimensional order, transcendental boundary self-referral domain and of unity state origin.
- 3. It has natural base and Brahman format.
- 4. Creative dimensional frame is a set up of 6 creative dimensions (4-space in the role of dimension).
- 5. With it, dimensional value of this set up comes to be  $6 \times 4 = 24$ .
- 6. Further as that, creative order, itself is a spatial dimension of dimension.
- 7. As such, it leads to dimensional value  $(6 \times 4 \times 2) = 48$ .
- 8. Transcendental boundary of 6-space is a set up of 12 components.
- 9. These 12 components have fixation coordination in terms of  $(12 \times 5) = 60$  coordinates.
- 10. Further this transcendental boundary of 12 components gets fixations with in creative dimensional frame of self-referral domain in terms of  $(12 \times 6) = 72$  coordinates.

11. Still further, this transcendental boundary of 12 components manifests a 12 place value formats.
  12. Still further, grid  $(12-1) \times (12+1)$  accommodates, all 143 double digits number of 12 place value systems.
  13. Still further, the organization of 12 boundary components as  $12 = (5+7)$ , is shall be leading take off of 7 transcendental components which dimensionalise the outside space as 7 dimensional space.
  14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values. ■
2. This measuring rod is synthesized by hyper cubes 1 to 6.
  3. Boundary fold of hyper cubes 1 to 6 are of values (2, 4, 6, 8, 10, 12), which is parallel to external characteristics of shad chakras of human frame and with it, human body permits its coordination and chase in terms of Sathapatya measuring rod, and there by existence phenomenon within human frame (as human body) becomes the existence phenomenon of format of 6-space domain. ■

### LESSON-15

#### 7-SPACE ORIGIN

1. 7-space origin of 6space is of transcendental origin and as such transcendence at the origin amounts to super imposition of transcendental order upon the creative dimensional order of 6-space domain.
2. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values. ■

### LESSON-16

#### MEASURING ROD OF 6-SPACE DOMAIN

1. Sathapatya measuring rod is the measuring rod of 6-space domain.

**5**  
**SURYA ANK**

This day the course focus is upon 'Surya Ank'. It four folds aspects being taken up are as follows:

21. Surya Ank.
22.  $6 = (3+3) = (2+2+2)$ .
23. Glimpsing real 6-space.
24. 6-space VMS & T.

The values being covered are to be taught as lessons numbers 17 to 20 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-17**  
**SURYA ANK**

1. Surya Ank sun number is 6.
2. Sun is real 6-space domain.
3. Lord Vishnu is the over Lord of real 6-space. Earth to sun is a 6 steps format of earth, water, fire, air, space and sun. This format is parallel to format of hyper cubes 1 to 6 parallel number values range is (1, 2, 3, 4, 5, 6).
4. As  $(1 \times 2 \times 3) = (2 \times 3) = (-2) \times (-3)$ , as such 6-space as a self-referral domain absorbs orientations and the earth to sun format as a self-referral format, also take us from sun to earth parallel to values range (1, 2, 3, 4, 5, 6).
5. One may have a pause here and have a fresh visit to 6 steps long range in its both orientations (1, 2, 3, 4, 5, 6) and (6, 5, 4, 3, 2, 1).
6. One may have a pause here and take note that transcendental code value format 'Prithvi' is 25, which is also the transcendental code value of formulation 'Vishnu'.

7. It would be a blissful to take note that the NVF (Earth) = 52 = NVF (Six).
8. Still further, it would be blissful to take note that numbers pair (25, 52) constitutes a fraction pair of artifices.
9. Still further as that, (25, 52) is equal to 77.
10. It would be a blissful to glimpse through following NVF equation:  
(I) NVF (Matter) = NVF (Earth Area) = NVF (Court) = NVF (Christ) = NVF (Church Cage) = NVF (Black Tree).

**LESSON-18**

**$6 = (3+3) = (2+2+2)$**

1. 4-space plays the role of dimension of 6-space.
2. 4-space itself is a spatial order space.
3. As such, 4-space mathematics accepts a pair of unit '2 as 1 and 1 as 2', which lead to '1/2' as working unit.
4. Further 5-space is a solid order space and as such it has units '3 as 1, & 1 as 3', which is lead to '1/3' as a working unit.
5. One may have a pause here and take note that transcendental code value of formulations one (1) and triya (3), both have equal value '8'.
6. With the light of these features one may glimpse and imbibe the happening of transcendental phenomenon of in-carnation of Lord Vishnu during Trita uga and during Dwapur uga.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and

imbibe the above format feature and values.

■

### **LESSON-19**

#### **GLIMPSING REAL 6-SPACE**

1. Sadhakas fulfilled with intensity of urge to glimpsing real 6-space shall transcendence parallel to Brahma Yog enlightenment of chapter 125 of Sri Vishnu Puran.
2. For it, one shall first glimpse through compactified state of human body itself.
3. Glimpsing of real 6-space , as such is to be phased quarter by quarter four folds compactification of human body, coordinated as shad chakra format.

■

### **LESSON-20**

#### **6 SPACE VMS & T**

1. VMS & T is a discipline which transcends individual values of disciplines of Mathematics, Science and Technologies. That way VMS & T is reservoir of virtues of values of Mathematics, Science and Technological as individual discipline.
2. One way to look at VMS & T is the discipline of disciplines of knowledge.
3. Vedic systems approach VMS & T in a phase steps, of 3-space VMS & T, 4-space VMS & T, 5-space VMS & T and 6-space VMS & T.
4. Unity state VMS & T (7-space VMS & T), as such, covers in unified form, the whole range of values of

virtues of (3, 4, 5, & 6) discipline of Mathematics, Science and Technology.

5. Unity state VMS & T, itself, as well, gets covered by Asht Prakriti (8 folds nature / 8-space VMS & T) and a state ahead is lively Brahman reservoir of virtues bliss.
6. Initiation of young minds shall be of sequential steps of exposure to 3-space, 4-space, 5-space & 6-space values and virtues.

■

6

**PHASED CHASE STEPS**

This day the course focus is upon 'phased chase steps'. It four folds aspects being taken up are as follows:

- 25. Phased chase steps.
- 26. 6-space topical aspects.
- 27. 6-space mathematics.
- 28. 6 dimensional frames.

The values being covered are to be taught as lessons numbers 21 to 24 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-21**

**PHASED CHASE STEPS**

- 1. Initiation phased steps may be as of 3-spaces, 4-space, 5-space & 6-space values.
- 2. In terms of these steps, space as sequentially approached in terms of 3 linear dimensions, 4 spatial dimensions, 5 solid dimensions & 6 creative dimension frames.
- 3. The values of (3, 4, 5, & 6) spaces sequential manifest four folds formats, as of hyper cubes (3, 4, 5 & 6) respectively.
- 4. Quadruple bodies, namely hyper cubes (3, 4, 5 & 6) emerge as VMS & T formats for chase of values of (3, 4, 5 & 6) spaces to reach at their virtues bliss, which helps glimpse and to imbibe their coordinated organization as domain fold, origin fold, base fold and base format.
- 5. One is to initiate one-self to comprehend and imbibe virtues bliss of values of 3-space domain, 4-

space origins, 5-space base and 6-space base format.

- 6. On this foundation of (3, 4, 5 & 6), one is to transcend ahead to work out VMS & T as of transcendence ranges (3, 4, 5 & 6)
- 7. Quadruple values (3, 4, 5 & 6) are parallel to four fold manifestation layer(3, 4, 5 & 6) of hypercube 5, within creator's space (4-space with transcendental origin)
- 8. A reach from hypercube 5 format to hypercube 6 formats, is to be as per the spatial order of creator's space.
- 9. Mathematics of spatial order (2-space in the role of dimension) chases along split phenomenon of ranges into a pair of sub-ranges.
- 10. Range (1, 2, 3, 4 & 5) leads to a pair of sub-ranges (1, 2, 3 & 4) and (2, 3, 4 & 5). This makes out a values chase format of explanation from value  $(1+2+3+4+5) = 15$  to  $(1+2+3+4) + (2+3+4+5) = 24$ .
- 11. One may have a pause here and take not that:  $15 = 3 \times 5$  and  $24 = 4 \times 6$  values pair (3x5, 4x6) is parallel to (values of solid dimensional frame, value of creative dimensional frame).
- 12. Difference value  $24-15 = 9$  is parallel to 9 geometric range of 4-space and also, it is parallel to transcendence tiple (1, 3, 5);  $(1+3+5) = 9$  of transcendental domain (5-space domain).
- 13. Still further  $9 = (2+3+4)$  is parallel to difference of synthesis of 6 linear and 6 spatial dimensions.
- 14. It is this feature, which cover 9 geometric range of 4-space, 9 values

difference of synthesis of 6 linear and 6-space dimension.

- 15. Further as that  $(2+3+4) = 9$  brings to focus, a sequential transcendence within 4-space (of spatial order) to reach 5-space (of solid order) and to transcend further up till 6-space base (of creative dimensional order)
- 16. It would be blissful that a step ahead:  
 $(1+2+3+4+5+6) = 21,$   
 $(1+2+3+4+5) = 15,$   
 $(2+3+4+5+6) = 20; \quad (15+20) = 35,$   
 $(35-21) = 14 = (2+3+4+5).$



**LESSON-22**

**6 SPACE TOPICAL ASPECTS**

- 1. 6-space.  
A space approached in terms of 6 creative dimensions. A space within 6 dimensional frames of 6 creative dimension is designated as 6-space.
- 2. 6 dimensional frames.  
A dimensional frame constituted by 6 creative dimensional spaces (4-space as dimension) is designated as 6 dimension frame.
- 3. 6-space content.  
A space content as continued within 6 dimensional frames as domain fold of 6-space body is designated as 6-space contents
- 4. 6-space domain  
A domain fold of hypercube 6 is designated as 6 space domain.
- 5. Hypercube 6  
Hypercube 6 is a representative regular body of 6-space within 4-

space as manifesting as hypercube 6 as a four folds manifest layer (4, 5, 6, 7) along the format of idol of Lord Brahma.

- 6. Different roles of 6-space.  
Different roles of 6-spaces means different role of 6-space domain. 6 prominent roles of 6-space are:  
 1) 6-space domain.  
 2) 6-space domain as dimension fold of hypercube 8.  
 3) 6-space domain as boundary fold of hypercube 7.  
 4) 6-space domain as origin folds of hypercube 7.  
 5) 6-space domain as base fold domain as of hypercube 4 and  
 6) Hypercube 6 domain as format of base fold of origin folds of hypercube 4.
- 7. 6x6 Grids format:  
Following 6x6 grids represent 6-space in different role

1	2	3	4	5	6
2	3	4	5	6	7
3	4	5	6	7	8
4	5	6	7	8	9
5	6	7	8	9	10
6	7	8	9	10	11

- 8. 6-space Mathematics.  
6-space Mathematics is the Mathematics values of 6. It is the also the Mathematics of format of hypercube 6.
- 9. 6-space sciences.  
6-space Science is of the values of 6-space contents.

## Transcendental content

10. 6-space Technology.  
6-spaces Technology are the Technology of 6-space domain.
11. Foundation of 6-space VMS & T.  
The foundation of 6-space VMS & T is the values of creative boundary of transcendental domain creating self referral domain.
12. 6-space body.  
6-space body as has its print out in creator the space along the format of hypercube 6.
13. Unity state origin.  
6-space has unity state origin parallel to it 7-space plays the role of origin fold of hypercube 6.
14. Location of 6-space.  
Center of 5-space domain is the seat of 6-space as origin fold of hypercube 5.
15. 6-space point.  
6-space point is the point 6-space domain.
16. Structure point of 6-space.  
Point fulfilled with structure point of 6-space domain is designated as structure point of 6-space. It is the point of 6-space domain. Every point of 6-space domain is fulfilled with the structure of 6-space. Complete structures of 6-space domain are within the structure point of 6-space domain.
17. Measuring rod of 6-space.  
Measuring rod of 6-space is the measuring rod of 6-space domain. It is designated as Sathapatya measuring rod. This measuring rod is synthesized by hypercube 1 to 6.

- With it the exhausted coverage of 6-space domain takes palaces in term of the synthesis format of hypercube 1 to 6 setup, this setup is the setup of 6 consecutive 4 fold manifestation layers (-1, 0, 1, 2), (0, 1, 2, 3), (1, 2, 3, 4), (2, 3, 4, 5), (3, 4, 5, 6), (4, 5, 6, 7) of summation values(2, 6, 10, 14, 18, 22) with grand summation value  $(2 + 6 + 10 + 14 + 18 + 22) = 72$ . One may have pause here and take note that  $72 = (6 \times 12)$ , which is parallel to 72 co-ordinations fixation of transcendental boundary of 12 components of self referral domain (6-space domain) of hyper cube 6, the representative regular of 6-space within 4-space.
18. Transcendence within self referral domain.  
The transcendence path within self referral domain is of triple value range (2, 4, 6) which is parallel to 2-space dimension of dimensions, 4-space as dimension, 6-space as domain. One may have pause here and take note that  $(2 + 4 + 6) = 12$  is parallel to split of boundary of 6-space into 12 components.
  19. Transcendence at origin of 6-space.  
Transcendence at origin is of 2 fold, firstly transcendence through unity state origin with reach up till natural base. Secondly ascendance from natural base and through unity state origin for reach within self referral domain and enveloped within transcendental boundary.
  20. Dimensional synthesis of self referral dimension.  
The synthesis values range of (0, 1, 2, 3, 4, 5, 6, 7, 8) self referral



dimension of dimensional frame of 8 space comes to be (0, 6, 8, 6, 0, -10, -21, -42, -64) one may have pause here and take note that it has ultimate reach as value (-64), one may further pause here and take note that (64, -64) constitute a reflection pair of positive and negative origination value 64. Which is parallel to synthesis of a pair of transcendence range of creative dimensional pair (4, 5, 6, 7, 8, and 9) and (4, 5, 6, 7, 8, 9)?

21. Split of a self referral range (1, 2, 3, 4, 5, and 6). Self referral range (1, 2, 3, 4, 5, 6) split into the pair of transcendence range (1, 2, 3, 4, 5) and (2, 3, 4, 5, 6) if summation value of (15, 20) of grand summation value  $(15+20) = (35)$ , which is 14 unit value more than the summation value  $(1 + 2 + 3 + 4 + 5 + 6) = (21)$ . One may have pause here and take note that  $(14) = (2 + 3 + 4 + 5)$  which is parallel to 4 fold manifestation layer of hypercube 4.



### LESSON-23 6-SPACE MATHEMATICS

1. Mathematics of 6-space is designated as 6-space mathematics.
2. 6-space is the space within 6 dimensional frames.
3. 6 dimensional frames is a set up of 6 creative dimensions.
4. 4-space in the role of dimension is designated as a creative dimension.
5. 6-Space contained within 6 dimensional frames of 6 creative dimensions is designated as 6-space contents.
6. 6-space contained manifests as domain fold of 6-space body.
7. Hypercube 6 is the representative regular body of 6-space.
8. The domain fold of hypercube 6 is a set up of 6-space contained.
9. The boundary fold of hypercube 6 is a set up of 5-space contents.
10. The dimensional fold of hypercube 6 is a set up of 4-space contents.
11. The origin fold of hypercube 6 is a set up of 7-space contents.
12. The base fold of hypercube 6 is a set up of 8-space contents.
13. Format of base fold is format fold, and it is set up of 9-space content.
14. 6-space mathematics is the mathematics of hyper cube 6.
15. 6-space mathematics, being a mathematics of 6-space, it is the mathematics of the set up of hyper cube 6.
16. As such , it is the mathematics of the set up of 6 folds namely dimensions fold o hypercube 6, boundary fold of hypercube 6, domain fold of hypercube 6, origin fold of hypercube 6, base fold of hypercube 6 and format fold of hypercube 6. This way makes 6-space mathematics, as the mathematics of the self-referral range (6 step long range) of (4, 5, 6, 7, 8, 9) spaces, respectively in the role of (dimension fold, boundary fold, domain fold, origin fold, base fold, format fold) of hypercube 6, the representative body of 6 space .

#### Short Question:

1. Define 6-space.

## Transcendental content

2. Define '6 space mathematics'.
3. Write short note on:
  - (a) 6-space contents.
  - (b) 4-space as dimension fold.
  - (c) 5-space as boundary fold.
  - (d) 6-space domain fold.
  - (e) 7-space as origin fold.
  - (f) 8-space as base fold.
  - (g) 9-space as format fold.

### LESSON-24 6 DIMENSIONAL FRAMES

1. 6 dimensional frames is a set up of 6 creative dimensions (4-space as dimension) and unity state origin (7-space as origin).
2. 4-space itself is a spatial order space (2-space in the role of dimension of 4-space).
3. And, 2-space itself is a zero order space (0-space plays the role of dimension of 2-space).
4. As such,  $(6 \times 4 \times 2) = 48$  is the dimensional values of 6 dimensional frames.
5. 4-space is dimension of 6-space and 2-space is the dimension of 4-space, as such 2-space is dimension of dimension of 6-space.
6. 0-space is dimensions of dimension of 4-space.
7. Therefore in quadruple steps, there is reach optical 0-space within 6-space (domain).
8. It is this feature of 6-space domain within 6 dimensional frames of creative dimensions, which deserves to be comprehended and imbibe well.
9. This reach brings us face to face with transcendence happening within

- creative dimensional frame for 6-space domain.
10. A step ahead, of zero space value reach, takes to negative spatial order setup of 0-space domain.
  11. One may have pause here and take note that this in a way amount to reversal for the transcendence orientation within creative dimensional frame for the 6-space domain.
  12. The chased head shall be sequentially taking us to negative creative order and negative self-referral order making the parabolic transcendence phenomenon for self-referral domain with in a creative dimensional frame.
  13. This may permit expressing for this parabolic transcendence format steps as (6, 4, 2, 0,-2,-4,-and 6).

#### Short Question:

1. Reach at parabolic transcendence format steps for self-referral domain within creative dimensional frame.
2. Write short note on:
  - (a) Self-referral domain(6-space domain)
  - (b) Creative dimensional frame.
  - (c) 4 spaces dimension of 6-space
  - (d) Spatial order (2-space in the role of dimension)
  - (e) Dimension of dimension of 6-space.

## 7

**TRANSCENDENCE BOUNDARY**

This day the course focus is upon 'transcendence boundary'. It four folds aspects being taken up are as follows:

29. Ganita Sutra '1' formulation

*'Ekadhikana'*.

30. Transcendental boundary.

31. Ganita Sutra '1' formulation

*'Purvena'*.

32. Transition from 5-space to 6-space.

The values being covered are to be taught as lessons numbers 25 to 28 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-25****GANITA SUTRA -1****FORMULATION: EKA-ADHIKENA**

1. Formulation 'Eka-Adhikena' is the first word formulation of the text of Ganita sutras 1.

2. First letter of this formulation is sixth vowel

3. It accepts TCV value '6'.

4. Second letter of the formulation is the first Vargas consonant 'KA'.

5. It accepts transcendental code value TCV value '4'.

6. Third letter of formulation is elongated first vowel.

7. It accepts transcendental code value TCV value '2'.

8. The elongated first vowel together with the fourth letter of the formulation take us to the formulation of Aath and Adh which means half of half, and

9. It takes us to the sequential exhaustion for the value of '7' of fourth letter of the formulation.

10. As such it is the face and staged of reach at value '0'.

11. The fifth letter of formulation is the second vowel.

12. The second vowel accepts TCV values '2'.

13. Sixth letter of formulation is the first Vargas consonant.

14. It accepts TCV value '4'.

15. Seventh letter of the formulation is the sixth vowel.

16. It accepts TCV values '6'.

17. One may have a pause here and take note that these seven letters of the formulation give rise to the range of value (6, 4, 2, 0, 2, 4, 6).

18. It would be blissful to chase this organization. It brings us face to face with parabolic format.

19. This parabolic format is parallel to transcendence format for self-referral domain '6-space domain' within creative dimensional frame (4-space as dimension) which results into reversal of orientation with reach at 0 value face and stage.

20. It would be further blissful to take note that the eighth letter of the formulation (fifth letter of the fourth of the Vargas consonant) accepts TCV values '8'.

21. One may have pause here and take note that this is a sequential progression for (0, 2, 4, 6) into (2, 4, 6, 8).

22. One may have further have a pause here and take note that the values range (0, 2, 4, 6, 8) is parallel to dimensional synthesis values range

## Transcendental content

of (0, 1, 2, 3, 4) number of spatial dimensions.

23. This as such is the reach is the complete reach for quadruple spatial dimension synthesis reach.
24. This as such is the reach for the 6-space domain, which as dimension create 8-space domain. The last , ninth letter of the formulation is the first vowel accept TCV values '1' which means a fresh start of chase of 6-space (measuring rod).
25. It would be blissful to take note that the enlightenment of Shri MadBagwad Geeta is that: 'amongst syllables, I am Akara, the first syllable': Lord Krishna, in coronation of Lord Vishnu, the over lord of real 6-space.

### Short Question:

1. Chased TCV values for of letter of the formulation 'Eka-Adhikena' of the text Ganita sutra 1.
2. Write short note on the TCV values of fourth and ninth letter of the text of formulation 'Eka-Adhikena'.
3. Compare the TCV values range of formulation 'Eka-Adhikena' and the parabolic transcendence format steps of transcendence of self-referral domain with creative dimensional frame.



## LESSON-26

### TRANSCENDENTAL BOUNDARY

1. Self-referral domain (6-space domain) has transcendental boundary (5-space boundary).
2. Domain boundary ratio is  $(A^6: 12B^5)$ .

3. The transcendental boundary gets coordinated in term of  $(12 \times 5) = 60$  solid dimensional (3-space as dimension of 5-space).

4. Transcendental boundary of 12 components also gets co-ordinates in terms of  $(12 \times 6) = 72$  creative co-ordinates (4-space as dimension leading to creative coordinate).

5. This 72 creative co-ordinate format accepts reorganization  $72 = (2 + 6 + 10 + 14 + 18 + 22)$ .

6. One may have a pause here and take note that the values range (2, 6, 10, 14, 18, 22) is parallel to summation value of four folds manifestation layers of hyper cubes 1 to 6.

7. It would be blissful to visit and revisit of set up of four folds manifestation layer of hyper cubes 1 to 6, and to glimpse and imbibe their summation value emerging as under:

(I)  $(2) = (-1+0+1+2)$  parallel to  $(-1, 0, 1, 2)$  four folds manifestation layers of hypercube 1.

(II)  $(6) = (0+1+2+3)$  as four folds manifestation layer of hypercube 2.

(III)  $(10) = (1+2+3+4)$  as four folds manifestation layer of hypercube 3.

(IV)  $(14) = (2+3+4+5)$  as four folds manifestation layer of hypercube 4.

(V)  $(18) = (3+4+5+6)$  as four folds manifestation layer of hypercube 5.

(VI)  $(22) = (4+5+6+7)$  as four folds manifestation layer of hypercube 6.

8. One may have a pause here and take note that hyper cubes 1 to 6 together syntheses a format for 72

co-ordinates fixation of the transcendental boundary of self-referral domain.

9. Further as that, 6-space the place the role of origin of 5-space, as such through sequential transcendence steps there would emerge a sequential value ( $12^0$ ,  $12^1$ ,  $12^2$ ,  $12^3$  ...).
10. One may have a pause here and take note that this creates a format for 12 place values systems.
11. One may further have a pause here and take note that 5-space accept 11 geometric range and parallel to it or 11 versions of hypercube 5.
12. It would be blissful to take note that values of these 11 versions shall be playing the role of format of 11 numerals of 12 place values systems.
13. Still further, it also would be blissful take note that 11 versions of hypercube 5 together with 13 versions of hypercube 6 together constitute  $11 \times 13$  grid format for all the 143 double digits number of 12 placed value systems.
14. It would be a blissful exercise to chase number value along 12 placed value systems.
15. This chased will helped perfect our intelligence to work out number values along 12 place value systems instead of our common practice to chase number value along 10 placed value systems.
16. It would be blissful to take note that 10 place value systems takes us to creative boundary format of transcendental domain while 12 place systems value take us to transcendental boundary format of self-referral domain.
17. Ten placed value system avails only numeral while 12 placed value systems avail 11 numerals.
18. The numeral of 10 place value system are of format of nine version of hypercube 4 while 11 numerical of 12 placed value system avail 11 version of hypercube 5.
19. It would a blissful exercise to visit and revisit the expression for double digit number of 10 place value system as well as o f 12 place values systems and try to convert one system value system into another value system.
20. It would be blissful to take note that transcendental carrier of sunlight or automatically and contagiously transforming values at each step from one system to another system. ■

## LESSON-27

### GANITA SUTRA 1

#### FORMULATION PURVENA

1. The complete text of Ganita sutras 1 is of a pair of formulations namely 'Eka Adhikena and Purvena'.
2. This pair of ratio avail 9 and 7 letters respectively.
3. A values pair (9, 7) is parallel to 9 geometric range of 4-space and 7 geometric range of 3-space.
4. We may re-capitulate that TCV values of first formulation 'Ek Adikhena' avail creative dimensional frame for transcendence with in self-referral domain. These second formulation avails solid dimensional frame for transcendence with in transcendental domain.

## Transcendental content

5. The 7 letters availed by formulation Purvena sequential accept transcendental code value (5, 3+3, 7, 6, 2, 7, 1).
6. One may have a pause here and take note that synthesis value of pair of solid dimensions is  $(3, 3) = 5$ .
7. The other way round, the split of a five dimensional domain result into a pair of stream of solid dimensional order. ■

### LESSON-28 TRANSITION FROM 5-SPACE TO 6-SPACE

1. Space approached within and in terms of a solid dimensional frame of five dimensions is designated as 5-space.
2. Space approached within and in terms of creative dimensional frame of 6 dimensions is designated as 6-space.
3. The transition from 5-space to 6-space amounts to a transitions from solid dimensional frame of five dimensions to creative dimensional frame of six dimensions.
4. One way to approach this transition as a transition from the format hypercube 5 to format of hypercube 6.
5. Another way to approached transition from 5-space to 6-space is to have transition from 5-space as domain to 6-space as domain. This brings us face to face with the distinctive feature and values of 5-space contents from that of 6-space contents.
6. Further, this transition may be worked out as a transition from the set up of number value 5 as of five

artifices to number value 6 of six artifices.

7. Pair of values (5, 6) permits reorganization as  $(2+3, 2x3)$ .
8. Pair of values (5, 6) as consecutive serial numbers will bring us focus 5<sup>th</sup> and 6<sup>th</sup> element /member/entities of sequential arrangements of organizations.
9. One such organization arrangement is of sequential order of basic elements (Earth, Water, Fire, Air, Space, Sun, Pole star, Nature, Brahm, Par-barhm).
10. Another organization arrangement is of manifestation as (dimension fold, boundary fold, domain fold, origin fold, base fold, format fold, format state fold ...).
11. Different roles of dimensional spaces accepts organization arrangement along  $(4x4, 5x5, 6x6, 7x7)$ , grid formats, which in reference to 5 space and 6 space shall be bringing to focus their inter-see-relationship:

1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12
7	8	9	10	11	12	13

12. One may have pause here and take note that unity state ranges (of seven steps) as are organized as per the arrangement of rows 1 to 7 and column 1 to 7 respectively, of these rows 1 to 5 and column 1 to 5 co-ordinate 5-space and 6-space in their respective roles.

13. Each such co-ordination of role of 5-space and 6-space inter see shall be bring us face to face with distinct feature and values coming to surface on transition from 5-space to 6-space.
14. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above features and values and to have a transition from 5-space to 6-space Mathematics Science and Technology.
15. One may have a pause here and take note that 5-space Mathematics is a solid order Mathematics while 6-space Mathematics is Mathematics of creative order.
16. Further has that, 5-space sciences are of 5-space contents values while 6-space sciences are of 6-space contents.
17. Further as that, 5-space technologies are of transcendental domain setup while 6-space technologies are of self-referral domain setups.
18. Accordingly focus of 5-space mathematics is upon solid order (3-space as dimension) while focus of 6-space mathematics is upon creative dimensional order (4-space as dimension). ■
19. Further, the focus of 5-space sciences is upon 5-space content; while focus of 6-space sciences is upon 6-space contents.
20. Technology of 5-space are transcendental domain (5-space domain) based; while technology of 6-space are self-referral domain (6-space domain) based.
21. One may have a pause here and take note that the 5-space domain is farmed two folds, firstly by a creative boundary of 10 components and secondly by a solid dimensional framed of 5 dimensions.
22. On another hand, the 6-space domain, as well, is framed two folds, firstly in terms of transcendental boundary of 10 components and secondly by a creative dimensional frame of 6 dimensions.
23. One may have a pause here and take note that 5-space domain permits transcendence at its self-referral origin for reach at unity state base while 6-space domain permit transcendence through its unity state origin for reach at natural base.
24. One shall sit comfortably and permit the transcending mind to glimpse and imbibe about distinguish features and values of 5 & 6-space mathematics, 5 & 6-space sciences and 5 & 6 space technologies.

8

**DHARUV AND HIS MANTRAS**

This day the course focus is upon 'Dharuv and his mantras'. It four folds aspects being taken up are as follows:

33. Values ranges (1, 2, 3, 4, 5, 6, 7, 8, 9, 10) And (11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
34. Dharuv and his Mantras.
35. Intelligence Field Base of Consciousness Format.
36. Affine Innocence and Intelligence Field.  
(Along Consciousness Format).

The values being covered are to be taught as lessons numbers 29 to 32 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-29**

**VALUES RANGES**

**(1, 2, 3, 4, 5, 6, 7, 8, 9, 10)**

**AND (11, 12, 13, 14, 15, 16, 17, 18, 19, 20)**

1. Number value range (1, 2, 3, 4, 5, 6, 7, 8, 9, 10) accepts formulation (*ek dvua tre chatur panch shat sapt ashta nava dash*).
2. The formulation (*ek dvua tre chatur panch shat sapt ashta nava dash*) accepts transcendental code values (8, 16, 8, 12, 15, 14, 11, 17, 10).
3. These transcendental code values take us to transcendental code value (10) for formulation dash of the number value ten (10).
4. One may have a pause here and take note that transcendental domain accepts creative boundary of ten components.

5. One may have a pause here and take note that creative boundary (4-space as boundary) is of 10 components and number value ten accepts organization  $10 = (2 + 3 + 4)$ .
6. One may further have a pause here and take note that the creative boundary of transcendental domain manifests ten place value systems for organization of numbers.
7. Still further, it also would be relevant take note that number value 10 accepts reorganization as  $10 = (6 + 4)$ , which manifests a grid format (4, 6) for organization of all the 24 double digit number of 5 place value systems.
8. It also would be relevant to take note that  $10 = (5 + 5)$ .
9. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above formats features and values.
10. It would be blissful and take note these features and values provide us inside and enlightenment about 5-space Mathematics, Sciences and Technologies.
11. The values range ahead (11, 12, 13, 14, 15, 16, 17, 18, 19, 20) take us from 5-space to 6-space.
12. The values range (11, 12, 13, 14, 15, 16, 17, 18, 19, 20) accepts formulations (*eka dash, dva dash, triodash, chaurdash, panchdash, shatdash, saptdash, ashtdash, navdash, vinshati*).
13. The formulation (*ekadash, dwadash, triodash, chaurdash, panchdash, shatdash, saptdash, ashtdash, navdash, vinshati*) accepts transcendental code values (19, 25, 25, 22, 25, 20, 24, 21, 27, 29).



14. One may have a pause here and take note that parallel formulation these for the transcendental code values range (11, 12, 13, 14, 15, 16, 17, 18, 19, 20) or (*Krishna, Vishnu, pritvi, chandas, pritvi, dev, kushma, puraba, brahma*).
15. One may have a pause here and to sequentially glimpse and to chase format features values of above range of formulations.
16. The above ranges of transcendental code values permit sequential arrangements are as (19, 20, 21, 22, 24, 25, 25, 25, 27, 29).
17. Of above eight distinct values, four of them constitute conjugative quadruple values (19, 20, 21, 22) parallel to four fold manifestation layers of dimensional order (19).
18. Transcendental code value (19) is parallel to placement value of southern hemi sphere.
19. The transcendental code value (22) is parallel to four fold manifestation layer (4, 5, 6, 7) of hypercube 6.
20. One may have a pause here and take note that transcendental code value chandas is (22).
21. This bring to us focus that hypercube 6 format is the format of chandas/meters.
22. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of plan and to comprehend and appreciate the value and virtues of number ranges (11, 12, 13, 14, 15, 16, 17, 18, 19, 20) chasing 6-space setup.
23. It would be blissful to take note that Lord Vishnu is the Over Lord of 6-space.
24. Further as that, Lord Vishnu is the presiding deity of Sathapatya measuring rod while Lord Brahma is the presiding deity of the measure of this measuring rod.
25. It would further be blissful to take note that formulation 'Brahma' accepts transcendental code value (29) and formulation 'Vishnu' accepts transcendental code value (25).
26. It would further be blissful to take note that transcendental range (25, 26, 27, 28, 29) is of dimensional order 25. Parallel to transcendental code value of formulation 'Vishnu' and that base fold (29) is parallel to transcendence code value of Brahma.
27. The origin fold is of value 28 which is parallel to transcendence code value of formulation of Brahma.
28. The domain fold (27) is parallel to 27 Nakshatras.
29. It would be a blissful exercise to sequentially chased the range of value (1, 2, 3, 4, 5, 6, 7, 8, 9, 10) and (11, 12, 13, 14, 15, 16, 17, 18, 19, 20) to chase transition from 5-space VMS & T to 6-space VMS & T.



### LESSON-30 DHARUV AND HIS MANTRA

1. Dharuv at the age of five had intensity of urge to attain enlightenment and to have Darshan of Lord Vishnu.
2. Narad Rishi incited with him 12 syllabus mantras (*Om Namo Bhagwate Vashudeya*).

## Transcendental content

3. Dharuv was incited with above mantra to meditate and transcendence by glimpsing and imbibing virtues of Lord Vishnu as *Chatur Bhuja* having *Shankh, Chakra, Gada, Padhma*.
4. So intensified the urge that soon Dharuv attained enlightenment and had the privilege to have Darshan of Lord Vishnu.
5. One shall sit comfortably and to visit the format features and values of the formulations Dharuv, Narad, Vishnu, Shankh, Chakra, Gada, Padhma, and Mantra (Om Namoh Bhagwate Vashudeya).
6. These formulation accepts transcendental code values as follows:
  - i. TCV Dharuv = 19.
  - ii. TCV Narad = 21.
  - iii. TCV Vishnu = 25.
  - iv. TCV Chatur Bhuja = 28.
  - v. TCV Shankh = 11.
  - vi. TCV Chakra = 7.
  - vii. TCV Gada = 12.
  - viii. TCV Padhma = 22.
7. One may have a pause here and take note that the formulation 'Om Namah Shivaya' is the transcendental formulation which attained transcendental domain (5-space).
8. 'Om Namoh Bhagwate Vashudeya' is the self-referral formulation which attained self-referral domain (6-space).
9. The formulation Om Namoh Bhagwate Vashudeya is a compositions of 3 words of (1, 2, 3) syllabus and (15, 6) letters.
10. The formulation Om Namoh Bhagwate Vashudeya is a compositions of four words of (1, 2, 4, 5,) syllabus and (1, 4, 8, 10) letters.
11. The formulation Om Namoh Bhagwate Vashudeya accepts transcendental code value  $(16 + 31 + 15) = 63$ .
12. The formulation accepts transcendental code values  $(16 + 24 + 31 + 36) = 107$ .
13. One may have a pause here and take note that the difference of transcendental code value for above pairs of formulations is  $(107 - 63) = 44$ .
14. It would be a blissful exercise to glimpse and imbibe the values and features of above formats to acquire proper insight and to attain appropriate enlightenment by transition from transcendental domain to self-referral domain.



## LESSON-31 INTELLIGENCE FIELD BASE OF CONSCIOUSNESS FORMAT

1. Base fold (5<sup>th</sup> fold) and format fold (6<sup>th</sup> fold) are compactified folds with origin fold (4<sup>th</sup> fold) within domain fold (3<sup>rd</sup> fold).
2. The compactified stage of third, fourth, fifth and sixth fold deserve to be glimpsed and to imbibe to format, feature and value of the intelligence field within mind of the brain of head organ of human body.
3. This as such make a self-referral range starting with 'Head' and sequentially reaching at brain, mind, intelligence field, consciousness of unity format.

4. This self-referral range, in reference to body 'human body' makes a unity state '7 set long range' of existence phenomenon within human frame.
5. These seven steps long range deserves to be chased sequential as (i) Human body (ii) Head (iii) Brain (iv) Mind (v) Intelligence field (vi) Consciousness (vii) Unity state.
6. One may have a pause here and take note that the formulation 'Sharer' accepts transcendental code value (14) which permit re-organization as  $14 = (2 + 3 + 4 + 5)$  and same is parallel to four folds manifestations layer (2, 3, 4, 5) of hypercube 4 which also is parallel to format and feature of idol of Lord Brahma.
7. The formulation 'Bhudi' accepts transcendental code value 25 which is parallel to transcendental code value 'Vishnu'.
8. One may have pause here and take note that Manas, Bhudi, Chhita and Ahnkar are the four fold internal supports of human existence phenomenon.
9. Formulation 'Manas' accepts transcendental code value  $(19 + 3) = 22$ , which is parallel to summation value of four folds manifestations layer (4, 5, 6, 7) of hypercube 6.
10. The formulation 'Chhita' accepts transcendental code value 13 which is parallel to 13 geometric range of 6-space.
11. One may have a pause here and take note that of these only seven are of non negative signature.
12. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the format value feature of above phenomenon and

let one attains self-referral support for the transcending mind itself. ■

### LESSON-32 AFFINE INNOCENCE AND INTELLIGENCE FIELD (ALONG CONSCIOUSNESS FORMAT)

1. Young mind is inherently of affine innocence state.
2. This is the natural mental state.
3. The affine innocence state, as such is, initially inherently having consciousness format sport.
4. With time, consciousness start transcending through innocence and starts manifesting as intelligence fulfilled mental states.
5. Mental states surfaces sequentially as a compactified intelligence field.
6. The perfection of intelligence field, starts transcending back replacing innocence state and there by happening a straight consciousness sport for the intelligence field.
7. This phenomenon is inherently embedded as a format feature and values of the existence phenomenon sustained by human frame.
8. Human frame, in its manifestation format is sustained by shad chakra format (6 eternal circuits).
9. The eternal characteristics of shad chakra format or parallel to the structural format of boundary format of hyper cubes 1 to 6 synthesizing Sathapatya measuring rod presiding by Lord Vishnu and is measure being presided by Lord Brahma.

## Transcendental content

10. One may have a pause here and take note that the creation format is of feature and values of idol of Lord Brahma which further is parallel to format feature and value of hypercube 4.
11. One may further have a pause here and take note that hypercube 4 is of the format features of four folds manifestation layers (2, 3, 4, 5) of summation value  $(2 + 3 + 4 + 5) = 14$ .
12. One may have a pause here and take note that the formulation sharer as well accepts transcendental code value 14, parallel to the summation value of 4 folds manifestation layer of hypercube 4 parallel to the format feature and values of Idol of Lord Brahma, the presiding deity of measure of the Sathapatya measuring rod.
13. The formulation Varga and Ghan, both accepts transcendental code value '14' each.
14. One may further have a pause here and take note that the transcendence range (14, 15, 16, 17, 18, 19) is of self-referral features with value 19 as the value of the format fold.
15. One may have a pause here and take note that transcendental code value 19 is parallel to the placement value 19 of the southern hemi sphere.
16. This value is parallel to transcendental code value of formulation '*Mana*'.
17. One may further have a pause here and take note that Sharer is of compactified state being designated as Sathul Sharer, Sakshan Sharer and Karan Sharer.
18. The formulation *Sathul Sakshan* and *Karan* respectively accepts transcendental code value (20, 26, 15).
19. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the format features and values of these formulations and the existence phenomenon within human frame and the emerging the mental state because of the intelligence field along the consciousness format.
20. It would be blissful to take note that Vedic system in general and Vedic Mathematics processing system in particular run parallel to the existence phenomenon within human frame.
21. It is this unison of chase steps of solar universe as well as of existence phenomenon within human frame along Sathapatya measuring rod which deserve to be properly glimpsed and to thoroughly imbibe to have proper insight and appropriate enlightenment about consciousness based intelligence field.
22. The processing system of Ganita Sutras and upsutras run parallel to the consciousness based intelligence field.
23. As such the working rule and processing steps of the Ganita Sutras and upsutras may be availed for proper growth of the intelligence field and for appropriate enlightenment for young minds.
24. The organization format of Ganita Sutras and upsutras avails hypercube 6 formats parallel to it being the

format of the sun and the Solar Universe.

25. The chased steps are to be parallel to the transcendental carrier paths within Surya Rashimya (sun rays).
26. As such parents and Vedic Mathematics teacher or under solemn duty and responsibility to expose young mind to the value domain of the Vedic Mathematics such that their imbibing does not cause any scratch upon the innocence while consciousness imprinting itself as intelligence field and manifesting as 'mind line's'.



9

**6-SPACE TECHNICAL TERMS**

This day the course focus is upon ‘6-space technical terms’. It four folds aspects being taken up are as follows:

37. 6-space technical terms
38. Hypercube 6.
39. Self-referral range.
40. Sathapatya measuring rod.

The values being covered are to be taught as lessons numbers 33 to 36 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-33**

**6-SPACE TECHNICAL TERMS**

1. Number value 6.
2. 6-space.
3. Hypercube 6.
4. 6-space content.
5. Surya (sun).
6. Pursha (human frame).
7. Shad Chakra format (six eternal circuits).
8. 6-space domain.
9. Self referral domain.
10. Self referral space.
11. Self referral fold.
12. Self referral format.
13. Self referral dimension.
14. 6-space as dimension.
15. Self referral boundary.
16. 6-space as boundary.
17. Self referral origin.
18. 6-space as origin.
19. Self referral base.
20. 6-space as base.
21. Creative dimension.
22. 4-space as dimension of 6-space body.

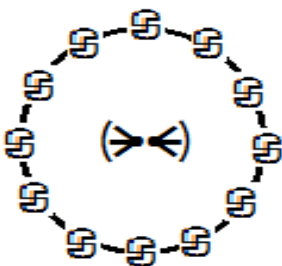
23. 6-space contained lump.
24. Surya Prakash (sunlight).
25. Lord Vishnu.
26. Over Lord of six space.
27. Presiding Diety of Sathapatya measuring rod.
28. Sathapatya measuring rod.
29. Measuring of measuring rod.
30. Presiding Diety of measuring of measuring rod.
31. Lord Brahma Creator the supreme.
32. Lord Shiv, the transcendental lord.
33. Tri-Murti.
34. Tri-Loki.
35. Tri-Loki and Tri-Murti.
36. 6-space Mathematics.
37. 6-space Sciences.
38. 6-space Technology.
39. 6-space Mathematics, Science and Technology.
40. Sixth circuit.
41. Creative dimensional synthesis.
42. Transcendental dimensional synthesis.
43. Self referral dimensional synthesis.
44. Existence phenomenon.
45. Existence phenomenon of solar universe.
46. Existence phenomenon within sunlight.
47. Existence within frame.
48. Existence without frame.
49. Compactified states.
50. Compactified states of bodies within frame.
51. Northern hemi sphere.
52. Southern hemi sphere.
53. Pole star.
54. Earth to Sun range.
55. Orb of Sun.
56. Surya Ank (Sun number)
57. Self referral range.
58. Split of self referral range.

59. Six as first perfect number.
60. 28 as second perfect number.
61. 496 as third perfect number.
62. Synthesis of self referral dimension number.
63. Takeoff from transcendental boundary.
64. Transcendence within self referral domain.
65. Two fold transcendence at unity state origin.
66. Natural base fold.
67. Brahman format.
68. Karn Ateet.
69. Turiya state.
70. Turiya Ateet state.
71. God state.
72. 6x6 grids.
73. Chakshu.
74. Divya chakshu.
75. Gyan chakshu.
76. Purshottam.

3. It has 8-space as base of 7-space as origin of 6-space domain.
4. Transcendence at 7-space as origin and its reach up till 8-space as base is the dimensional synthesis feature of a pair of creative dimensions (4-space as dimension) synthesizing 6-space and a pair of Self Referral dimension (6-space as dimension) synthesizing 8-space.
5. The transcendental boundary (5-space as boundary) and Self Referral domain (6-space as domain) accept transcendence within boundary as well as within domain.
6. It is this unique feature of the set up of hyper cube 6 which deserve to be comprehended well for its thorough appreciation to have its complete imbibing to acquire deep insight and appropriate enlightenment about format features, values, order and virtues of the format of hyper cube 6.



**LESSON – 34**  
**HYPER CUBE – 6**



1. Hyper cube 6 is a representative regular body of 6-space within 4-space.
2. It is a four folds manifestation layer (4, 5, 6, 7)/4-space as dimension, 5-space as boundary, 6-space as domain and 7-space as origin.

7. The transcendence within transcendental boundary (5-space as boundary), the transcendence within Self Referral domain (6-space domain) and transcendence through unity state origin (7-space as origin) of Self Referral domain and its reach up till Asht Prakarti (8-space as base) are the unique features which deserve to be distinctively imbibed.
8. A step ahead is the Brahamann (9-space) format for Asht Prakarti base (8-space base).
9. This makes a self referral order (6-space as dimensional order) of Asht Prakarti (8-space as domain) manifesting as hyper cube 8 as a four folds manifestation layer (6, 7, 8, 9) within 4-space.

## Transcendental content

- Further it makes a transcendence range (5, 6, 7, 8, 9)/5-space as dimension, 6-space as boundary, 7-space as domain, 8-space as origin and 9-space as base.
- Simultaneously emerges transcendence range (6, 7, 8, 9, 10)/6 space as dimension, 7-space as boundary, 8-space as domain, 9-space as origin and 10-space as base).
- It would be a blissful exercise to chase different roles of 6-space as dimension, 6-space as boundary, 6-space as domain, 6-space as origin and 6-space as base and a step ahead 6-space as format of base of origin of domain.
- This chase of 6-space in its 6 roles is a chase of 6-space along self referral range (dimension, boundary, domain, origin, base of origin & format of base).

### LESSON – 35

#### SELF REFERRAL RANGE

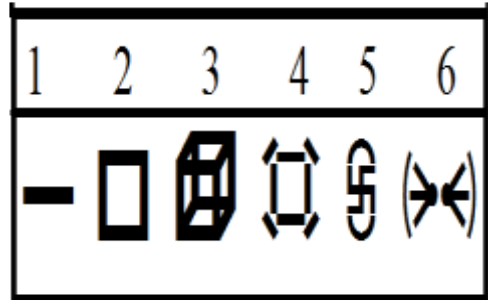
- Self referral range is a 6 steps long range of simultaneous manifestation as dimension fold, boundary fold, domain fold, origin fold, base fold & format fold.
- 6 consecutive dimensional spaces contents manifest a self referral range which accepts expression as  $(N, N+1, N+2, N+3, N+4, N+5)$ .
- Self referral range values format (1, 2, 3, 4, 5, 6) is the format of Sathapatya Measuring Rod synthesized by hyper cubes 1 to 6 of linear (1-space), spatial (2-space), solid (3-space), creative (4-space), transcendental (5-space) & self referral (6-space) dimensional orders.
- One may have a pause here and take note that 6-space content plays all the 6 roles namely as (I) 6-space as dimensional frame (II) 6-space as boundary fold (III) 6-space as domain fold (IV) 6-space as origin fold (V) 6-space as base fold & (VI) 6-space as format fold.
- 6-space as dimension fold leads to self referral range (6, 7, 8, 9, 10, 11), 6-space as boundary fold leads to self referral range (5, 6, 7, 8, 9, 10).
- 6 space as domain fold leads to self referral range (4, 5, 6, 7, 8, 9). 6-space as origin fold leads to 3, 4, 5, 6, 7, 8).
- 6-space as base fold leads to (2, 3, 4, 5, 6, 7).
- 6-space as format leads to self referral range (1, 2, 3, 4, 5, 6).
- It would be a blissful exercise to sequentially glimpse different folds of hyper cube 3 as four folds manifestation layer (1, 2, 3, 4) and its extension through transcendence as transcendence range (1, 2, 3, 4, 5) and as self referral range (1, 2, 3, 4, 5, 6).
- Likewise, it would be a blissful exercise to sequentially glimpse the format features of hyper cubes (4, 5 & 6) for their folds as well as for extension through transcendence of the four fold manifestation layers (4, 5, 6, 7) and (5, 6, 7, 8) and (6, 7, 8, 9) into transcendence ranges (4, 5, 6, 7, 8), (5, 6, 7, 8, 9) & (6, 7, 8, 9, 10) and further their extensions as self referral ranges (4, 5, 6, 7, 8, 9), (5, 6, 7, 8, 9, 10) & (6, 7, 8, 9, 10, 11).



11. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe the values of above four folds manifestation layers and their extension through transcendence in to transcendence ranges and into self referral ranges.
12. One shall further sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to distinctively chase above phenomenon for the whole range of four fold manifestation layers within Creator’s space along the format of idol of Lord Brahma, Creator of the Supreme, a four head lord with a pair of eyes in each head, sitting gracefully on a lotus seat of 8 petals and transcending in a Shiv Lok (5-space) with the grace of transcendental lord and multiplying as 10 Brahmas.
13. One may have a pause here and take note that all these roles and emerging 6 self referral ranges permit common expression as 6 x 6 matrix / grid as :

6	7	8	9	10	11
5	6	7	8	9	10
4	5	6	7	8	9
3	4	5	6	7	8
2	3	4	5	6	7
1	2	3	4	5	6

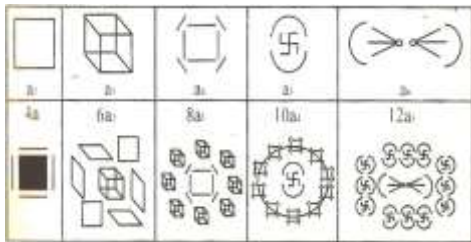
**LESSON – 36**  
**SATHAPATYA MEASURING ROD**  
**Hyper Cubes 1 to 6**



1. Sathapatya Measuring Rod is a synthetic set up of hyper cube 1 to 6. Lord Vishnu, the presiding deity of 6-space is the presiding deity of Sathapatya Measuring Rod. Lord Brahma, the presiding deity of 4-space is the presiding deity of the measure of Sathapatya Measuring Rod.
2. This feature of Sathapatya Measuring Rod that Lord Vishnu, the presiding deity of 6-space is the presiding deity of Sathapatya Measuring Rod while Lord Brahma, the presiding deity of 4-space is the presiding deity of the measure of Sathapatya Measuring Rod brings to focus as that 4 space /measure of 6-space / measuring rod is of relationship as of 4 space as dimension with that of 6 space as domain.
3. One may have a pause here and take note that 3 space has linear measure because of linear axes, and ahead 4-space has spatial measure because of spatial dimension, 5-space has solid measure because of solid dimensions and 6-space has creative measure (4-space as measure)

## Transcendental content

4. One shall sit comfortably and to imbibe the value of this relationship of dimension with domain being the relation of measure with the measuring rod of the concerned space.
5. This relationship of dimension and dimensional frame with domain (fold) of the concerned dimensional space is parallel to the relationship of artifices of number with the value of the number itself.
6. In addition to this relationship of dimension fold and domain fold of hyper cube (here hyper cube 6), there are other inters relationships of different folds of hyper cube (here hyper cube 6).
7. One specific relationship of pointed focus. In the context of hyper cube is that the boundary fold and the domain fold, which accepts formulation  $A^n: 2nb^{n-1}$  / domain: boundary of  $2N$  component.



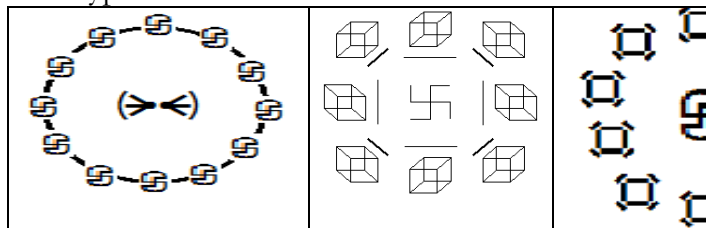
8. One shall sit comfortably and permit the transcending mind to comprehend and imbibe the above relationship feature of domain fold with boundary fold, which in the context of square, cube, hyper cube 4, hyper cube 5 and hyper cube 6 permits expression as under as that linear boundary of square is of 4 components, spatial boundary of

cube is of 6 component, solid boundary of hyper cube 4 is of 8 components, creative boundary of hyper cube 5 is of 10 components and transcendental boundary of hyper cube 6 is of 12 components.

9. Further as that  $2n$  boundary component of hyper cube  $N$  as such in the context of presence of boundary components makes  $(2n+1)$  version of hyper cube  $N$  making them to be  $2n+1$  representative bodies of respective range of  $(2n+1)$  geometry of  $N$  space itself.
10. For  $N = 1, 2, 3, 4, 5$  &  $6$  we can reach at 3, 5, 7, 9, 11 & 13 versions of hyper cubes 1, 2, 3, 4, 5 & 6 respectively.
11. It would be a blissful exercise to symbolically express 13 versions of hyper cube 6 by one by one skipping over the boundary components of hyper cube 6.
12. Likewise one may reach at 11 versions of hyper cube 5 and 9 versions of hyper cube 4

Hyper cube 6  
hyper cube 5

hyper cube 4



13. It would further be a blissful exercise to comprehend and imbibe the dimensional frame of 6 space as a set up of 6 creative dimensions (4 space as dimension of 6 space)

14. 5 space accepts dimensional frame of 5 solid dimensions ( 3 space as dimension of 5 space).
15. 4 space accepts dimensional frame of 4 spatial dimensions ( 2 space as dimension of 4 space).
16. 3 space accepts a dimensional frame of 3 linear dimensions ( 1 space as dimension of 3 space).
17. 2 space accepts a dimensional frame of a pair of dimensions of 0 order (0 space as dimension of 2 space)
18. 1 space accepts dimensional frame of a single negative linear dimension (-1 space as dimension of 1 space).
19. One shall revisit the above different features of the set up of hyper cube format and it will bring to focus as that (1) there is a dimensional frame of N dimension of ( N-2) dimensional order (2) there is a geometric envelop ( boundary) of  $2^n$  components of (N-1 space). (3) there is a transcendence within the domain fold taking up-till dimension of dimension level. (4) there happens to be a transcendence at origin which takes up-till base fold.
20. One shall sit comfortably and glimpse these features of hyper cubes 1 to 6 and to tabulate them to have a comprehensive view of the set up of Sathapatya Measuring Rod to acquire deep insight and proper enlightenment about this set up.



10

**HYPER CUBE WISE FEATURES TABULATION**

This day the course focus is upon 'hyper cube wise features tabulations'. It four folds aspects being taken up are as follows:

- 41. Hyper cube wise features tabulation.
- 42. Srimad bhagwat geeta study zone
- 43. 12 place value system.
- 44. 6 space Mathematics

The values being covered are to be taught as lessons numbers 37 to 40 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-37**

**HYPER CUBEWISE FEATURES TABULATION**

(10) Dimensional Frame Value	-1 x1 = -1	0x2 =0	1x3 = 3	2 x 4 =8	3 x 5 =15
(11) Transcendence Triple Value	-3, -1, 1	-2, 0, 2	-1, 1, 3	0, 2, 4	1, 4, 9
(12) Product Value	3	0	-3	0	3
(13) Addition Value	-3	0	3	6	10

1. Here above is the hyper cube wise features tabulation for the prominent features of hyper cubes 1 to 7.
2. It would be a blissful exercise to chase hyper cubes as dimensional body of different features.

Feature	1 space	2 space	3 space	4 space	5 space	6 space	7 space
(1)Body	Hyper cube-1	Hyper cube-2	Hyper cube-3	Hyper cube-4	Hyper cube-5	Hyper cube-6	Hyper cube-7
(2)Domain	A <sup>1</sup>	A <sup>2</sup>	A <sup>3</sup>	A <sup>4</sup>	A <sup>5</sup>	A <sup>6</sup>	A <sup>7</sup>
(3)Boundary	2a <sup>0</sup>	4 A <sup>1</sup>	6 A <sup>2</sup>	8 A <sup>3</sup>	10 A <sup>4</sup>	12 A <sup>5</sup>	14 A <sup>6</sup>
(4) Dimension	(-1) Space	(0) Space	(1) Space	(2) Space	(3) Space	(4) space	(5) space
(5) Dimensional Frame	1 Axis	2 Axes	3 axes	4 Axes	5 axes	6 axes	7 axes
(6) Dimensional Value	(-1)	0	3	8	15	24	35
(7) Geometries	3	5	7	9	11	13	15
(8) Four folds	-1 0 1 (2)	0 1 2 (3)	1 2 3 (4)	2 3 4 (5)	3 4 5 (6)	4 5 6 (7)	5 6 7 (8)
(9) Summation Value	2	6	10	14	18	22	26

Each hyper cube deserves to be chased for its features as is mentioned in Column No.1. Further it also would be a blissful exercise to simultaneously chase hyper cubes 1 to 7 in reference to one specific feature like that of dimensional frame and other features as are mentioned in Col. 1. Col. No.1 is about 13 specific features. These features have been tabulated in respect of hyper cubes 1 to 7 as bodies of 1 space to 7 space. Therefore, there are 13 x 7 = 91 aspects of these features. One shall take aspect no.1 and to chase it for 1 space to 7 space. Likewise aspects 2 to 13 shall be taken up one by one. Further one shall take up aspects 1 to 13 in respect of 1 space.

11. Likewise one shall take up features 1 to 13 in respect of 2 space to 3 space respectively.



**LESSON – 38**  
**SRIMAD BHAGWAT GEETA**  
**STUDY ZONE**

Srimad Bhagwad Gita Study - Zone										
a	a <sup>2</sup>	a <sup>3</sup>	a <sup>4</sup>	a <sup>5</sup>	a <sup>6</sup>	a <sup>5</sup>	a <sup>2</sup>	a <sup>3</sup>	a <sup>4</sup>	
2	4a	6a <sup>2</sup>	8a <sup>3</sup>	10a <sup>4</sup>	12a <sup>5</sup>	10a <sup>4</sup>	8a	6a <sup>2</sup>	4a <sup>3</sup>	
7	□	⊗	⊗	⊗	⊗	⊗	⊗	⊗	□	7
2x1 =2	4x2 =8	6x3 =18	8x4 =32	10x5=50	12x6=72	10x5=50	8x4 =32	6x3 =18	4x2 =8	2x1 =2
Orbitals:				350+350=700						
2	6	10	14	18=5+6+7						

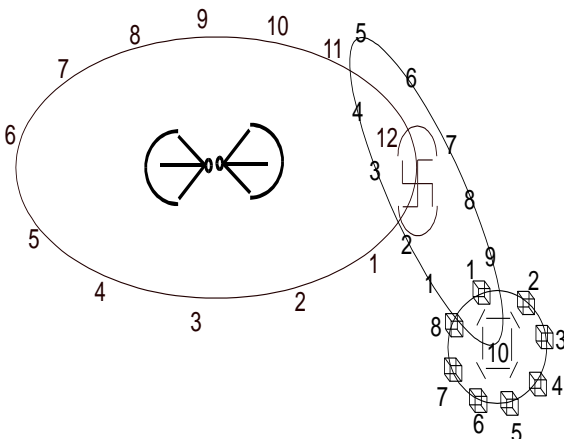
1. Srimad Bhagwat Geeta is a scripture of 700 shalokas.
2. This scripture is of 18 chapters range.
3. First 9 chapters shalokas range is (350-22)
4. Chapters 10 to 18 are of shalokas range ( 350+22).
5. The focus aspect here is that 22 = (4+5+6+7) which is parallel to four fold manifestation layer (4, 5, 6, 7) of hyper cube 6, the representative regular body of 6 space.
6. Lagadh Yajur Jyotish Vedang is a scripture of 44 shalokas.
7. These features of Jyotish/Jyoti/Sunlight/6 space features are the basis of organization format of Srimad Bhagwat Geeta .
8. This is the range of 6 space as origin of 5 space.

9. This is the transcendence for the transcendental domain (5 space) through the self referral origin ( 6 space) of the transcendental domain ( 5 space) .
10. To appreciate this organization format features, one shall chase it in terms of Sathapatya Measuring Rod ( synthetic set up of hyper cubes 1 to 6 of Sathapatya Measuring Rod ) .
11. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the above tabulated features of the above organization format ( Srimad Bhagwat Geeta Study Zone).
12. First of all one shall comprehend and imbibe the domain boundary ratio features of hyper cubes 1 to 6 ( A<sup>n</sup>:2nb<sup>n-1</sup>, N = 1, 2, 3, 4, 5, 6).
13. A step ahead one shall reach at the values sequence. ( 2 x 1 = 2, 4 x 2= 8, 6 x 3 = 18, 8 x 4 = 32, 10 x 5= 50, 12 x 6 = 72).
14. A step ahead one shall reach at the values sequence (1 x 2 = 2, 2 x 3 = 6, 2 x 5=10, 2 x 7= 14, 2 x 9 = 18).
15. Transcendence at 6 space as origin of transcendental domain ( 5 space) is of 7 streams ( parallel to 7 space domain of transcendental dimensional order/5 space as dimension of 7 space, and same manifesting as 7 non-negative geometries of 6 space.
16. This flow is to be towards both orientations and same shall be manifesting value 7 x 50 = 350 towards either orientation making it to be of total value 350+350=700.
17. Further as that 6 space as hyper cube 6 format shall be of four fold

## Transcendental content

manifestation value  $4 + 5 + 6 + 7 = 22$  which shall be making reorganisation as of  $350 - 22 + 22 + 350 = (350 - 22) + (350 + 22)$  as first and second half).

18. One shall sit comfortably and permit the transcending mind to glimpse and imbibe this format features and values.
19. Further one shall revisit above tabulation in the context of our present day organization features of our periodic table of elements.
20. It would be blissful to take note that vedic system accept 120 years cycle for the existence phenomenon within human frame of Shud Chakra format of features parallel to the format features of synthetic set up of hyper cube s 1 to 6 of Sathapatya Measuring Rod .
21. This 120 years cyclic reach is as the reach of creative dimensional order ( 4 space as dimension) of self referral domain ( 6 space domain), which takes by transcendence to boundary of boundary ( creative boundary of transcendental boundary/4 space as boundary of 5 space which is boundary of 6 space).



22. This permits depiction as that transcendental boundary ( 5 space boundary of Self Referral domain ( 6 space) is of 12 components while each of these 12 components is having 10 creative components which makes  $12 \times 10 = 120$  creative components ( 4 space as component)
23. This amounts to organization of 120 elements of creative format ( 4 space format )
24. A step ahead as each creative component ( 4 space) as component, accepts 8 boundary component as such from physical ( 3 space) world point of view there is going to be a requirement of  $12 \times 10 \times 8 = 960$  solid components for fixation of Self Referral domain ( 6 space domain) emanations.
25. This requirement of 960 solids/cubes to net 6 space domain.
26. It would be a blissful exercise to re-chase the above steps to reach at netting of 6 space domain in terms of 960 cubes.
27. Further it also would be a blissful exercise to re-chase above steps to reach at 120 creative components for netting the entire transcendental boundary ( 5 space boundary ) of Self Referral domain( 6 space).
28. Still further it also would be a very blissful exercise to comprehend and imbibe the values of study zone of Srimad Bhagwat Geeta of  $350 + 350 = (350 - 22) + (350 + 22)$  values as transcendence flow from 6 space as origin of transcendental domain within 5 space of both orientations.

29. It would further be very blissful exercise to chase, in both orientations, manifestation of orbital's within orbits outside the transcendental domain ( 5 space domain), as a creative domain ( 4 space domain) with transcendental origin ( 5 space as origin) with self referral base ( 6 space as base) .
30. It would be blissful exercise to chase present day organization of the periodic table of elements along the above geometric format of creative boundary ( 4 space as boundary ) of transcendental domain ( 5 space domain) with self referral base ( 6 space as base).

39	3X	3XI	40	41	42	43	44	45
	46	47						
48	4IX	4X	4XI	50	51	52	53	54
	55	56						
57	58	59	5X	5XI	60	61	62	63
	64	65						
66	67	68	69	6X	6XI	70	71	72
	73	74						
75	76	77	78	79	7X	7XI	80	81
	82	83						
84	85	86	87	88	89	8X	8XI	90
	91	92						
93	94	95	96	97	98	99	9X	
	9XI	X0	XI					
X2	X3	X4	X5	X6	X7	X8	X9	
	XX	XXI	X10					
X11	X12	X13	X14	X15	X16	X17	X18	
	X19	X1X	X1X1					



**LESSON – 39**

**12 PLACE VALUE SYSTEMS**

- The transcendental boundary (5 space as boundary) of 12 components of Self Referral domain (6-space domain) manifests format for 12 place value system for organization of numbers values.
- This placement format accepts 11 numerals parallel to 11 versions of hyper cube 5 which further being parallel to 11 geometries range of 5 space.
- Double digit numbers of 12 place value system are 143 which accept organization along 11 x 13 matrix/grid format as under:

01	02	03	04	05	06	07	08	
	09	0X	0XI					
10	11	12	13	14	15	16	17	18
	19	1X						
1XI	20	21	22	23	24	25	26	27
	28	29						
2X	2XI	30	31	32	33	34	35	36
	37	38						

- The last number X1X1 on 10 place value system is of value 143.
- Further as that X1X1 as a pair of digits of value X1 each ( last numeral of 12 place value system), is the 11<sup>th</sup> numeral and it is the end reach of the matrix .
- This feature is parallel to ( N, N) = N+2 equation of synthesis value of a pair of dimensions of equal order.
- These features of domain boundary relationship, dimensional synthesis rule and of place value system format at the boundary, are simultaneously at work.
- Therefore, Mathematics, Science & Technology of each space is of the format of representative regular body of the same space.
- Mathematics, Science & Technology of N space avails the format of hyper cube N as its representative regular body.
- The boundary fold of hyper cube N manifests a format for 2N place value system for organisation of the values of the numbers.

## Transcendental content

11. The double digit numbers of the said place value system accept  $(2n-1, 2n+1)$  matrix/grid format.
12. The grid format  $(2n-1, 2n+1)$  is of format features parallel to the format features of (dimension, domain folds) being of difference value "2".
13. It would be a blissful exercise to chase "2" place value system for organization of numbers values along the boundary of hyper cube 1.
14. Further it would be a blissful exercise to chase 4 place value system for organization of values of numbers along boundary format of hyper cube 2.
15. Further it would be a blissful exercise to chase 6 place value system for organization of values of numbers along boundary format of hyper cube 3.
16. Further it would be a blissful exercise to chase 8 place value system for organization of values of numbers along boundary format of hyper cube 4.
17. Further it would be a blissful exercise to chase 10 place value system for organization of values of numbers along boundary format of hyper cube 5. ■
3. Hyper cube 6 is the representative regular body of 6-space and Mathematics, Sciences and Technologies of 6 space avail format of hyper cube 6.
4. Number value 6, 6-space, hyper cube 6, Surya, human frame, Pursha and Vishnu are seven values in terms of which the Mathematics of 6-space may be comprehended for imbibing of its values and for availing it for chase of Sciences and Technologies of 6-space.
5. 6 space domain permits chase in terms of Sathapatya Measuring Rod as a synthetic set up of hyper cubes 1 to 6 and as such Sathapatya Measuring Rod provides basic format for chase of the values of 6-space Mathematics.
6. Number value 6 is the value of first perfect number, being the unique perfect number, as that it is first amongst the sequence of perfect number and secondly it has only three proper divisors, namely (1, 2, 3) which make a unique triple (1, 2, 3) as that none of these is a composite number, while other perfect numbers except both composite as well as non-composite numbers as their proper divisors. Illustratively second perfect number, namely '28' accepts '4' as well as '14' as proper divisors of '28' and both, '4' and '14' are composite numbers.
7. 6 space domain permits transcendence for its reach firstly up-till its dimension within 4-space and secondly up-till its dimension of dimension (2 space).
8. Hyper cube 6 manifests as a four folds manifestation layer ( 4, 5, 6, 7)

### LESSON-40

#### 6-SPACE MATHEMATICS

1. '6 Space Mathematics', as the title suggests, is the Mathematics of 6-space.
2. 6-space is the space which accepts a dimensional frame of 6 dimensions of creative dimensional order (4-space as dimension of 6-space).
3. Hyper cube 6 is the representative regular body of 6-space and Mathematics, Sciences and Technologies of 6 space avail format of hyper cube 6.
4. Number value 6, 6-space, hyper cube 6, Surya, human frame, Pursha and Vishnu are seven values in terms of which the Mathematics of 6-space may be comprehended for imbibing of its values and for availing it for chase of Sciences and Technologies of 6-space.
5. 6 space domain permits chase in terms of Sathapatya Measuring Rod as a synthetic set up of hyper cubes 1 to 6 and as such Sathapatya Measuring Rod provides basic format for chase of the values of 6-space Mathematics.
6. Number value 6 is the value of first perfect number, being the unique perfect number, as that it is first amongst the sequence of perfect number and secondly it has only three proper divisors, namely (1, 2, 3) which make a unique triple (1, 2, 3) as that none of these is a composite number, while other perfect numbers except both composite as well as non-composite numbers as their proper divisors. Illustratively second perfect number, namely '28' accepts '4' as well as '14' as proper divisors of '28' and both, '4' and '14' are composite numbers.
7. 6 space domain permits transcendence for its reach firstly up-till its dimension within 4-space and secondly up-till its dimension of dimension (2 space).
8. Hyper cube 6 manifests as a four folds manifestation layer ( 4, 5, 6, 7)



of summation value  $(4+5+6+7) = 22$  and transcendence at its origin (7-space) leads to 8-space as base fold and the transition from four fold manifestation layer (4, 5, 6, 7) to transcendence range (4, 5, 6, 7, 8) of summation value  $(4 + 5 + 6 + 7 + 8) = 30$  is parallel to the range of 30 structured components of the cube (8 corner points, 12 edges, 6 surfaces, 1 volume and 3 dimensional axes).

9. 'Surya Ank' / number value associated with Sun is '6'.
10. Human frame is of Shad Chakras (6 eternal circuits) format which are of external characteristics values range (2, 4, 6, 8, 10, 12) which is parallel to the boundary components range of Sathapatya Measuring Rod being the synthetic set up of hyper cubes 1 to 6.
11. Pursha is the format of existence phenomenon within human frame of Shad Chakras format.
12. Vishnu is the Over Lord of Real 6-space and as such is the presiding deity of Sathapatya Measuring Rod with Lord Brahma, the over Lord of 4-space, being the presiding deity of measure of Sathapatya Measuring Rod.
13. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe values features of seven fold aspects of '(I) Number value 6 (II) 6-space (III) Hyper cube 6 (IV) Surya (V) Human frame (VI) Pursha and (VII) Vishnu'.



11

**6-SPACE AS DOMAIN & 4-SPACE AS DIMENSION**

This day the course focus is upon ‘6-space as domain & 4-space as dimension’. It four folds aspects being taken up are as follows:

- 45. 6 space as domain & 4 space as dimension.
- 46. 6 space as origin of 5 space & 5 space as origin of 4 space.
- 47. Ganita Sutra 1
- 48. Sathapatya measuring rod (Format feature)

The values being covered are to be taught as lessons numbers 41 to 44 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-41**

**6 space as domain & 4 space as dimension**

- 1. One basic feature of 6 space Mathematics is that it approaches 6-space domain in terms of 4-space as dimension.
- 2. This approach is the approach of Sathapatya Measuring Rod which accepts Lord Vishnu, the overlord of 6 space as the presiding deity of Sathapatya Measuring Rod while Lord Brahma, the over Lord of 4-space, is the presiding deity of measure of the Sathapatya Measuring Rod.
- 3. With 4-space as dimension means that 6-space ‘domain’ is of a creative dimensional order (4-space in the role of dimension).

- 4. Creative dimensional order (4-space as dimension) leads to ‘4’ as ‘1’ as the unit measure.
- 5. Vedic systems work out with this creative unit (4 as 1) as ‘sole syllable Om’ being of 4 components, designated as Bindu Sarovar, Ardh Matra, Tri-Pundrum and Swastik Pada.
- 6. Sole syllable Om is formulated as ‘AUM’ as a composition of three letters ‘A, U, M’ as first three components and fourth component is the integrated state of value ‘AUM’.
- 7. One may have a pause here and take note that this feature of fourth component being the integrated state of first three components is parallel to three quarters squares of a square, on their integration, inherently manifest fourth quarter of the square as well.
- 8. Further it also would be relevant to take note that triple letters ‘A, U, M’ on their acceptance of values triples (1, 3, 9) also brings us to focus the first triple value of the values sequence (3<sup>0</sup>, 3<sup>1</sup>, 3<sup>2</sup>, ----).
- 9. One may have a pause here and take note that value 3 as the third fold / domain fold, shall be bringing to focus its parallel format with values sequence (1<sup>0</sup>, 1<sup>1</sup>, 1<sup>2</sup>, ----) with one as well being a domain fold of 1-space, which otherwise, in relation to 3-space as domain, is of ‘dimension, domain’ relationship but nevertheless in the role of dimension fold as well, it is the domain fold of 1 space / hyper cube 1, which is playing such role.

10. Here in the context the values accepted by formulations 'Ek' and 'Tree' being equal as '8' which accepts reorganization as  $8 = 2^3$  will help us comprehend and appreciate as to how the 4-space domain permits chase.
11. Here it would also be relevant to note that hyper cube 4 as its representative regular body is of the feature as that 4 space domain is enveloped within a solid boundary of 8 components and with strip off of solid boundary, the outside space gets structured as a solid order transcendental domain (5-space of 3-space as its dimensional order).
12. One may have a pause here and take note that 5 space plays the role of origin of 4 space and transcendence at origin of 4 space leads to 6 space as the self referral base of transcendental origin ( 5 space as origin) of creative domain ( 4 space domain) .
13. One shall sit comfortably and permit the transcending mind to glimpse and imbibe these values of creative dimensional order ( 4 space as dimension ) of self referral domain ( 6 space as domain)to have proper insight and appropriate enlightenment about 6 space Mathematics, Sciences and Technologies, with focus upon 6 space permitting its location at origin of 5 space.



## LESSON-42

### 6 space as origin of 5 space & 5 space as origin of 4 space

1. Let us sit comfortably and permit the transcending mind to be self referral to glimpse, comprehend and to appreciate the happening of transcendence phenomenon within Creator's space ( 4 space) .
2. Creator's space ( 4 space) is of transcendental origin within 5 space as origin of 4 space.
3. Hyper cube 5, the representative regular body of 5 space manifests within 4 space as a four fold manifestation layer with a self referral origin ( 6 space as origin) permitting transcendence to its unity state base (7 space as base).
4. During transcendence through transcendental domain ( 5 space domain), the self referral origin ( 6 space as origin) gets released from transcendental domain ( 5 space domain)
5. With this release, the parallel value format range comes to be  $(5, 6+5) = 16$ .
6. The parallel transcendence phenomenon happens at the creative boundary ( 4 space as boundary ) of transcendental domain ( 5 space domain) itself and thereby there happens to be release of transcendental origin ( 5 space as origin) of Creator's space domain ( 4 space domain) and thereby emerges parallel values range (  $4+5+4$  )=13 .
7. It is this simultaneous emergence of a parallel values ranges (  $5+6+5$  )=16 and (  $4+5+4$  )=13 during

## Transcendental content

transcendence for the transcendental domain enveloped within Creative boundary, deserve to be comprehended well for its thorough imbibing to have its complete appreciation to attain deep insight and appropriate enlightenment for manifestation of the format of 16 Ganita Sutras and 13 Ganita upsutras values of 6 space Mathematics.

8. One shall permit the transcending mind to continuously remain in prolonged sitting of TRANS and to glimpse and imbibe the values of the transcendence phenomenon through the transcendental domain ( 5 space ) enveloped with Creator's space ( 4 space) while Creator's space is in the role of dimension of Self Referral domain( 6 space domain) with unity origin ( 7 space origin) and Asht Prakarti base ( 8 space base) of Nav-Braham format ( 9 space format )
9. One shall further permit the transcending mind to continuously remain in prolonged sitting of TRANS and to glimpse transcendence phenomenon happening within Creator's space itself.
10. One shall further glimpse and imbibe the values of the sequential range of 4 space to 9 space as a six steps long self referral range, simultaneously coming into play and manifesting a Self Referral format within Creator's space itself.
11. It would be a blissful exercise to chase 4 space as dimension, 5 space as boundary , 6 space as domain, 7

space as origin, 8 space as base & 9 space as format of the base.

12. It would further be blissful to glimpse these features of 6 space as 6 space domain with 4 space as dimension, 5 space as boundary ,7 space as origin, 8 space as base and 9 space as format of the base.



### LESSON-43 Ganita Sutra 1 GANITA SUTRA 1 TEXT

एकाधिकेन पूर्वेण
<i>Ekadhiken Purvena</i>
One more than before

#### Letter wise chase

1	2	3	4	5	6	7	8	9
ए	क्	टा	ध्	ठ	क्	ए	न्	अ
10	11	12	13	14	15	16		
प्	उ	र्	व्	ए	ण्	अ		

#### Letter wise transcendental code values.

#### FIRST WORD

S.No.	1	2	3	4	5	6	7	8	9
Letter	ए	क्	आ	ध्	ठ	क्	ए	न्	ट
TCV	6	4	2	7	2	4	6	8	1

#### SECOND WORD

S.No.	1	2	3	3	5	6	7		
Letter	प्	ड	र्	व्	ए	ण्	अ		
TCV	5	6	2	7	6	7	1		

1. Read the text of Ganita Sutra 1 “एकाधिकेन पूर्वेण“.
2. Pronounce the text loudly..
3. Recite the text softly .
4. Glimpse the value of the text as a rule “ one more than before”

5. Chase the text letterwise, from its first letter as sixth vowel to the last sixteenth letter as first vowel.
6. Visit the above letterwise tabulation of the text by appreciating the placement of each letter of the text
7. Visit the above tabulation of values ( transcendental code value ) associated with first to sixteenth letter of the text
8. Disrtinctively glimpse the first word formulation (“एकाधिकेन) of the text of 9 letters and second text of the formulation (पूर्वेण) of seven letters.
9. Chase the values string ( 6, 4, 2, 7, 2, 4, 6, 8, 1) of 9 steps of values of 9 letters of first formulation (एकाधिकेन)
10. Chase the values string ( 5, 6, 2, 7, 6, 7, 1) of 7 steps of values of 7 letters of second formulation (पूर्वेण) .
11. Chase sequential transition from value of first letter to value of second letter, then from value of second letter to value of third letter and so on upto the value of eighth letter to ninth letter of first word formulation of the text of Ganita Sutra 1.
12. And likewise to chase sequential transition for the values of the letters of second formulation of the text of Ganita Sutra 1.
13. This chase will bring one face to face with the internal structural set up of the rule and values of the Ganita Sutra 1 and of its Mathematics of pure and applied domain.
14. Here, the rule of association of transcendental code value with letters of text of Ganita Sutra 1 is to be comprehended and to be appreciated first to have proper association of the same with letters of the text.
15. Further the parallel of artifices of numbers and of dimensional spaces as well is to be appreciated as Yoga Nishtha and Sankhya Nishtha running parallel to each other and same complementing and supplementing each other at every processing step.
16. Yoga Nishtha presumes the existence of artifices of numbers and avails dimensional frames for the space to chase existence phenomenon .
17. On the other hand Sankhya Nishtha presumes the existence of geometrical format and avail artifices of numbers to chase existence phenomenon within framed spaces.
18. Further, here the format features of transcendence within the Self Referral domain ( 6 space) as well as within dimensional domain within 5 space from domain to dimension to dimension of dimension , as well is to be comprehended well being at work.
19. With these three fold preliminary comprehension, firstly of transcendental code values accepted by the individual letter of the text, secondly there being parallel processing steps for artifices of numbers and dimensional frames and thirdly the potentiality of transcendence within Self Referral domain and transcendental domain upto dimension of dimension level, one is to proceed further for comprehension and appreciation of the Mathematics of Ganita Sutra 1

## Transcendental content

in particular and all the Ganita Sutras and Upsutras, in general.

20. This chase, as such gets focused as a chase of a pair of letters of the text as a pair of formulations accepting a pair of values parallel to which there are a pair of geometric formats as coordinated structural links of the Self Referral domain ( 6 space) and transcendental domain ( 5 space).
21. It is of the following chase features:

### PAIR OF FORMULATIONS

#### IST WORD VALUES STRINGS

1. First word formulation of the text of Ganita Sutra 1 is Ekadhikena.
2. The formulation Ekadhikena avails 9 letters, which are of sequential placement as under:

1	2	3	4	5	6	7	8	9
ए	क्	टा	ध्	ठ	क्	ए	न्	अ

3. These letters as per their sequential placements when lead to the values string ( ( 6,4,2,7,2,4,6,8,1) with structural reach at the third letter value  $2 = 1+1$  and that way making it as of 10 steps long values string ( 6,4,(1,1),7,2,4,6,8,1) brings us face to face with and gives us the glimpse of the mathematical domain of geometrical format parallel to these values steps.

#### FIRST STEP VALUE:

1. The first step value is 6.
2. Parallel to it is the format of 6 space.

3. This as such brings us face to face with the 6 space domain .
4. The values and features of 6 space domain as such become the starting point.
5. It is the initiation point.
6. The initiation is along and within 6 space domain.
7. Accordingly it gives the glimpse of the reach of mathematical domain which is going to be of the order of 6 space set up.
8. Ultimately 6 space in its entire manifestation is to settle the reach of mathematical domain of Ganita Sutras.

#### SECOND STEP VALUE:

1. The second step value is 4.
2. Parallel to it is geometric format of 4 space.
3. 4 space is Creator's space.
4. It is of spatial dimensional order.
5. It in its role as dimension structures 6 space in the role of domain .

#### REACH FROM FIRST STEP TO SECOND STEP

1. The reach from first step to second step, as such is a reach from 6 space as domain to 4 space as dimension.
2. It leads us to Sathapatya Measuring Rod with Lord Vishnu , overlord of 6 space being the presiding deity of this measuring Lord while Lord Brahma , Creator of the Supreme, the over Lord of 4 space as the presiding deity of the measure of this measuring rod.
3. One may have a pause here and take note that this coordination of the

roles of 6 space and 4 space, as domain fold and as dimension fold , further brings to focus the inter-relationship of parallel inter-relationship of artifices of pair of numbers (6,4).

4. One may have a pause here and take note that it is the basic comprehension of Vedic systems as that the dimensional frame and artifices of numbers run parallel to each other.
5. It is the basis of parallel availability of **Yoga Nishtha** and Sankhya Nishtha, as much as that **Yoga Nishtha** presumes the existence of artifices of numbers and avails dimensional frame, and on the other hand, **Sankhya Nishtha** presumes the existence of dimensional frame and avails artifices of numbers.
6. With this reach , the processing format as well gets settled .
7. It is of the values of the reach from domain to dimension .
8. It is a reach from 6 space in the role of domain to 4 space in the role of dimension .
9. It, as such brings to focus the first role of space content as domain fold and second role of space content being that as a domain fold it is to play the role of dimension as well.
10. This further brings to focus as that space content manifests as domain fold.
11. Then manifested space content as domain fold plays further role , of which one is as dimension fold .
12. This as such brings us face to face with that once it is the domain fold which is playing the role of dimension then it will also take us to the role of dimension of dimension .
13. 6 space as domain leads to 4 space domain as dimension, which at next step will take 4 space domain to 2 space domain as dimension of dimension of 6 space.
14. One may further have a pause here and take note that the second letter of the text is the first verga consonant ( Ka).
15. Scriptures preserve as that Ka is Brahma, as well as Ka is Shiv.
16. Lord Brahma is the over lord of 4 space.
17. Within the cavity of heart of Lord Brahma is the transcendental seat of Lord Shiv .
18. As such as domain fold the reach is as 4 space domain but as origin fold the reach is of 5 space domain in the role of origin which will permit transcendence .
19. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
20. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

### THIRD STEP VALUE:

1. Third step value is 2 .
2. It is the value of elongated first vowel.

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3. It accepts organization as  $2 = 1+1$ .
4. It leads to the set up of a pair of linear axis.
5. The value 2 as one of the value of values triple ( 6,4,2) takes us to the transcendence format of reach of 6 space domain to 4 space domain as dimension and a step ahead 4 space domain leading to 2 space domain as dimension of dimension .
6. The linear pair of axes, as along first axis shall be taking and shall be providing a step ahead in the linear sequential order, which would mean from third placement to 4<sup>th</sup> placement.
7. However, the 2<sup>nd</sup> axis will lead to the spatial order.
8. It would amount to a transcendence at the origin.
9. The transcendence from 2 space will be to zero space.
10. It would be reach of 4<sup>th</sup> value of the quadruple ( 6,4,2,0).
11. One may have a pause here and take note that of the pair of axes ( 1,1) as such shall be making each axis being of half value as  $1 = 2/2$ .
12. One may have a pause here and take note that 1 space in the role of dimension structures 3 space of 7 geometries range.
13. The fourth letter of the text of Ganita Sutra 1 is the fourth letter of the fourth row of verga consonant and same is of value 7 and it is in the role of origin.
14. Further as that 4 x 4 grid accommodates 7 steps long range ( 1,2,3,4,5,6,7).
15. Still further as that Bindu Sarover as the first component of **Om** formulation leads to 7 steps long Divya Ganga Flow from Brahman domain.
16. The formulations **Aadh** and **Adh** are of values  $\frac{1}{2}$  of  $\frac{1}{2}$  , and  $\frac{1}{2}$  respectively .
17. The formulations **Aadh and Adh** are the formulations of 3<sup>rd</sup> and 4<sup>th</sup> letter of the text of Ganita Sutra 1.
18. The third letter as elongated first vowel together with fourth letter makes **Aadh/  $\frac{1}{2}$  of  $\frac{1}{2}$** .
19. The elongated first vowel as a pair of first vowel, as such as first vowel and fourth letter shall be making the formulation Adh/1/2.
20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
21. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

### **REACH FROM SECOND TO THIRD LETTER AND AHEAD TO FOURTH LETTER**

1. The reach from second to third letter is ( 4,2) as well as ( 4,1,1).
2. This reach firstly takes us to the transcendence triple ( 6,4,2) as a reach from domain to dimension to dimension of dimension .
3. And secondly it also takes us to a reach along the first of the pair of



axis of 2 space to the fourth letter of the text of Ganita Sutra 1 of value 7.

4. One may have a pause here and take note that 2 space accepts a pair of axis as its dimensional frame of 0 dimensional order as that 0 space plays the role of dimension of 2 space.
5. Further as that it as such will amount to transcendence ahead which will take to quadruple values (6,4,2,0).
6. One may further have a pause here and take note that value 7 which is parallel to 7 geometries range of linear order 3 space, the same is of value 0 being of 0 area within 4 space which is of a spatial dimensional order.
7. This reach while on the one hand is as quadruple (6,4,2,0) same as a linear formatting is as quadruple (6,4,2,7).
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats.
9. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

**VALUES RANGE (6, 4, 2, 7, 2)/ (6, 4, (1, 1), 7, 2).**

1. One shall revisit the above 5 steps long range with inherent

organization as of 6 steps long range.

2. One may have a pause here and take note that values pair (6, 5) accept reorganization as (2 x 3, 2+3).
3. Still further as that 5 space plays the role of boundary of 6 space, as well as 5 space also plays the role of origin of 4 space.
4. Further as that 4 space plays the role of dimension of 6 space and also as boundary of 5 space.
5. Still further as that value 4 permits reorganization as  $4 = 2+2 = 2 \times 2 = (-2) \times (-2)$ .
6. Still further as that  $0 = 0+0 = 0 \times 0 = (-0) \times (-0)$ .
7. One shall sit comfortably and permit the transcending mind to glimpse above formats and features of values as well as of their geometric format.
8. Still further as that transcendence quadruple steps within 6 space domain takes us to quadruple value (6,4,2,0).
9. While on the other hand, transcendence quadruple steps within 5 space domain take us to quadruple value (5,3,1,-1).
10. In the light of above, the values range (6,4,2,7,2) and steps ahead as (6,4,2,7,2,4) and (6,4,2,7,2,4,6) will bring to focus that the emerging organization format of linear sequencing in fact is going to be of parabolic format with value 7 as the vertex value.
11. One may have a pause here and take note that this parabolic format for the linear sequencing as such is a shift from straight line set up to the

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surface and within surface as well as of a parabolic format curve.

12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
13. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

sitting of Trans and to glimpse and imbibe the above features formats .

4. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon

**VALUES RANGE ( 6,4,2=( 1,1),  
7,2,4,6,8,1)**

### **REVERSAL PROCESS AT THE VERTEX VALUE 7**

1. One shall sit comfortably and fully comprehend and to appreciate for full imbibing the values of reversal process at work at the vertex of above sequential format of the values range of first formulation namely (*Ekadhikena*) of the text of Ganita Sutra 1.
2. Here It also would be blissful to take note that the so far symmetrical extension along both limbs of parabolic curve around the vertex as such will permit reversal of orientation which will make , in first case, as the vertex being the lower placement of the curve, while on the other hand, the vertex as such will become the upper most placement top tick of the parabolic format curve.
3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged

1. The values range of 9 letters text of word formulation Ekadhikena with its internal structural organization for its third letter as  $2 = 1+1$  and thereby the emergence of simultaneous progression along first axis , as well as along second axis, will settle the decreasing sequential value for the first limb of the curve while in case of second limb of the curve there is going to be increasing progression ( 2,4,6,8,10).
2. One may have a pause here and take note that this feature as such will bring to focus as the first limb being a single string ( sub string) while the second string ( sub-string) will be of a pair of flow lines like a pair of symmetrical parabolic limbs as reflection image of each other .
3. One may have a pause here and take note that it will be of the following values reach
  - i) First limb of the string ( 6,4,(1+1), 7).

- ii) Second limb of the string (0, 2,4,6,8,10)  
(7) (0, 2,4,6,8,10)
- 4. One may have a pause here and take note that number value 10 accepts summation value for its digits as  $1+0 = 1$ .
- 5. Further as that  $10-1= 9$ .
- 6. Still further as that the 9 letters range in terms of its internal organization is of 10 letters range .
- 7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
- 8. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

domain within creative dimensional frame of 6 dimensions with each creative dimension accepting transcendence at its transcendental origin ( 5 space as origin of 4 space in the role of dimension of 6 space)

**SECOND FORMULATION  
PURVENA TEXT:**

- 1. The text of word formulation Purvena avails 7 letters of following sequential placements and transcendental code values , as is tabulated hereunder:

**2<sup>nd</sup> Word**

S.No.	1	2	3	3	5	6	7		
Letter	प	उ	र	व	ए	प	अ		
TCV	5	6	2	7	6	7	1		

**FORMULATION EKADHIKENA**

- 1. One shall sit comfortably and permit the transcending mind to glimpse the mathematical domain value and format of formulation Ekadhikena as values range ( 6,4, 1,1,7,2,4,6,8,1) as of the format of first limb of hyper bolic curve format and the second limb of this hyper bolic format marking its presence alongwith its reflection image as well
- 2. One shall further sit comfortably and to comprehend, appreciate and imbibe the transcendence phenomenon within 6 space

- 2. The above 7 steps long values string, in terms of the composition feature of placement for the third letter at its fifth placement, and further the structural organization of second letter being elongated third vowel as third vowel + third vowel value makes this values strings of 8 steps with one step being of double placement.
- 3. Let us revisit the above values string steps again and it will come to pointed focused attention as that :
  - i) Value 2 ( of third letter) is of double placement, firstly as third letter and secondly in the composite form as of fifth placement . This will bring a ( 2,2)

## Transcendental content

as a distinct pair of values as per the placement feature .

- ii) The letters second and fifth elongated third vowel and sixth vowel ) are accepting value 6 each, as such it makes a pair of values ( 6,6) further as that this pair of values for its first member as the reorganization arrangement  $6 = ( 3+3)$  and accordingly this pair of values get coordinated as [ ( 3,3), 6].
  - iii) Further as that the fourth letter namely the fourth Antsatha letter and 6<sup>th</sup> letter namely the fifth letter of third row of verga consonant accept value 7 each .This as such makes a third pair of values availability ( 7,7) .
  - iv) The fourth pair is the pair of values ( 5,1) of first and the last letter of the formulation Purvena.
4. The above four pairs of values namely ( 5,1), ( 2,2), ( 3+3= 6) and ( 7,7) deserve to be revisited individually pairwise and collectively as the whole range as integrated arrangement.
  5. One may have a pause here and take note that the formulation Purvena accept its first letter as of value 5 .
  6. Parallel to it is 5 space.
  7. 5 space is a solid order space.
  8. The dimensional synthesis of pair of solid dimension ( 3,3) = 5 as its synthetic value takes us from the organizational set up of the format of first letter to the second letter of the text of formulation Purvena.
  9. One may have a pause here and take note that a three dimensional frame permits its split into a pair of three dimensional frame of half dimensions with a release of 4 space as its origin.
  10. One may have a pause here and take note that cube ( 3 space body) accepts 4 internal diagonals.
  11. At the pair of end point of each of these internal diagonals of the cube as corner points of the cube, are imbedded a pair of three dimensional frames of half dimensions.
  12. One may further have a pause here and take note that the translation of this pair of three dimensional frame of half dimensions imbedded at the corner of the cube at end point of the diagonal with their reach at the centre will result into reversal of orientation for their axis and thereby there would be a synthesis of this pair of three dimensional frame of half dimensions in to a three dimensional frame of full dimension .
  13. Like that there would emerge four 3 dimensional frames of full dimensions by availing 4 diagonal as the translation path for the 8 three dimensional frames of half dimensions imbedded in the corners of the cube and otherwise getting coordinated as four pairs at the end point of four diagonals of the cube.
  14. One may have a pause here and take note that the fifth 3 dimensional frame of full dimension is already available at the centre of the cube itself.
  15. With it, these 5 three dimensional frames of full dimensions as such shall be constituting a solid dimensional frame of 5 dimensions of 5 space which is located as origin

of 4 space with its seat at centre of cube itself.

16. One shall sit comfortably and permit the transcending mind to glimpse , comprehend, appreciate and to imbibe the values and feature of this phenomenon of Churney at the centre of the cube as seat of 4 space and thereby there being a reach at 5 space at origin of the 4 space with 4 space itself being the origin of 3 space.
17. One shall sit comfortably and to revisit this phenomenon of reach from 3 space to 4 space as its origin and further from 4 space to 5 space as origin of 4 space.
18. It would be blissful exercise to revisit the structural set up of a cube.
19. It is a set up of 8 corner points, 12 edges and 8 surfaces enveloping the volume and space of the volume.
20. One may have a pause here and take note that the enveloping structural set up of 8 corner points, 12 edges and 6 surfaces makes a set up of  $8+12+6=26$  components.
21. Further as the volume and the space enveloped by this structural set up of 26 components , in fact is parallel to the transcendental code value of the pair of formulations Aayetan ( Volume) and Akash ( Space), as much as that the formulation Aayetan accept transcendental code value 18 while the formulation Akash accepts transcendental code value 8 and summation thereof is  $18+8=26$  which is parallel to the summation value of enveloping structural set up of 8 corner points, 12 edges and 6 surfaces.
22. Further as that the number value 18 accept reorganization as  $18=3+4+5+6$  which is parallel to the four fold manifestation layer (3,4,5,6) of hyper cube 5.
23. Still further as that the value 8 accept reorganization as  $8 = 3+5$ .
24. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats
25. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.
26. It would be a blissful exercise to revisit and to chase quadruple values pair ( 5,1), ( 2,2), ( 3+3,6) and ( 7,7) supplied by the text of formulation Purvena.

### **FIRST VALUES PAIR ( 5,1)**

1. One may have a pause here and take note that the first component of Om formulation is Bindu Sarovar and it accept number value “1”.
2. Further as that Bindu Sarovar ( structured point/values reservoir ) accepts panch vritiya ( 5 folds) for flow of 7 streams ( Divya Ganga flow of Brahamman domain).
3. This as such will help us comprehend, appreciate and imbibe the pairing of values ( 5,1) as of first and last letter of the formulation Purvena.

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4. One may have a pause here and take note that the feature of Vedic system is that these accept beginning and end values at the same meant.

### SECOND PAIR VALUES ( 2,2)

1. The second values pair is the single value of third letter getting repeated presence mark because of its fifth placement in the composite format of the formulation Purvena.
2. It would be blissful to take note that third and fifth placement as values pair ( 3,5) as well are coordinated with the additional feature ( 5-3= 2).
3. Still further as that 2 space accept 5 geometries range and parallel to it there are 5 versions of hyper cube 2 /square.
4. Moreover, the second component of Om formulation is “ Ardhmatra”/Half measure.
5. One may have a pause here and take note that 2 is half of 4 .
6. 4 space accepts 2 space in the role of dimension .
7. Synthesis value of pair of spatial dimensions  $2,2 = 4$ .
8. Further as that within 3 space , the surface plate accepts a pair of faces.
9. It as such brings to focus as that solid at value 0 is sandwiched between the pair of faces of a surfaces.
10. One may further have a pause here and take note that 5 space is of a solid dimensional order and it is at 0 value at the seat of origin of 4 space.

11. Parallel to it the cube is of 0 value at the seat of origin of 2 space and
12. Still further as that a 3 dimensional frame accept split as a pair of a 3 dimensional frame of half dimensions and during this split there is a release of 4 space origin.
13. The reach from the format of hyper cube 2 to the format of hyper cube 3 and further from the format of hyper cube 3 to the format of hyper cube 4 and still further a reach from the format of hyper cube 4 to that of the format of hyper cube 5 is a very blissful exercise whose chase will bring us face to face with the transcendence phenomenon at the seat of origin which in fact is a seat of compactified origin and that 4,5,6, & 7 spaces, in fact are compactified at the origin of 3 space itself.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
15. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

### THIRD PAIR VALUES ( 3+3,6).

1. The split of 6 as 3+3 and split of a three dimensional frame into a pair of 3 dimensional frame of half dimensions and the set of 6

surfaces enveloping volume are the feature which deserve to be glimpsed and chased simultaneously to acquire proper insight about this feature of 3 dimensional frame , in particular.

2. Further as that the pair of solid dimension synthesized value 5 parallel to the transcendental domain ( 5 space domain).

#### **FOURTH VALUES PAIR ( 7,7)**

1. Let us revisit the structural set up of a cube .
2. All the 8 corner points of cube permit coordination in a linear, sequential progression arrangement manner in terms of only 7 edges.
3. The pair of orientations for this reach is the feature which deserve to be comprehended well for its thorough appreciation and full imbibing .
4. Let us revisit this organization of 7 edges coordination of all the 8 corner points of a cube and it will come to notice that the 7 edges get coordinated as  $7 = 3+1+3$  with the first 3 edges and the last 3 edges being of arrangement of opposite orientation while the coordinating middle edge being a set up of a pair of orientations simultaneously available.
5. With it, the reach from first set up of 3 edges in a particular orientation, with reach upto the last 3 edges would be of opposite orientation .
6. And likewise the beginning from the last set of 3 edges of their orientation with a reach upto the first set of 3 edges will be of opposite orientation .
7. This both way reach and in both of the ways there being reversal of orientation , so it is the set up which deserve to be comprehended well.
8. It would be blissful to take note that 8 points coverage is parallel to 7 units coverage.
9. And it is happening not only along the line , or along a curve in a surface but also here in 3 space as well.
10. Further as that this organization of coordination in terms of 7 edges make remaining 5 edges as of different role to play.
11. It is this organization for 12 edges as pair of ( 7,5) edges format deserve to be comprehended well.
12. The grid 7 x 5 accommodates all the 35 double digit numbers of 6 place value system.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
14. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.
15. It would be a blissful exercise to glimpse the structural set up of cube as hyper cube 3 in the role of solid dimension and emerging structures of transcendental domain ( 5 space) of internal and external folds of

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value 26 accepting organization as  $26 = 5+6+7+8$ .

### FORMULATION PURVENA

1. The values and formats of the individual letters of the text of word formulation **Purvena** brings us face to face with the transcendence phenomenon within solid dimensional order of 5 space .
2. It further brings us face to face with the churning taking place at the centre of the cube as origin seat of compactified origin of 4,5,6 & 7 spaces.
3. One may have a pause here and take note that quadruple spaces ( 4 space, 5 space, 6 space & 7 space) and parallel to it quadruple values ( 4,5,6,7) and further parallel to it a four fold manifestation layer ( 4,5,6,7) of hyper cube 6 is the phenomenon which deserve to be comprehended well.
4. The summation value  $4+5+6+7 = 22$  is the format for 22 Visargas ( creations formulations).
5. dimension fold, boundary fold, domain fold and origin fold.
3. This set up of four folds is designated as a four fold manifestation layer.
4. In general, hyper cube N is a four fold manifestation layer of N space as dimension fold, N+1 space as boundary fold, N+2 space as domain fold and N+3 space as origin fold.
5. Parallel to above four folds are the quadruple numbers values ( N, N+1, N+2, N+3)
6. Hyper cubes 1 to 6 are the set ups of four fold manifestation layers as follows:
  - i) (-1, 0, 1, 2) as hyper cube 1 with summation value for four folds (  $-1+0+1+2= 2$ )
  - ii) ( 0, 1, 2, 3) as hyper cube 2 with summation value for four folds (  $0+1+2+3= 6$ )
  - iii) (1, 2, 3, 4) as hyper cube 3 with summation value for four folds (  $1+2+3+4= 10$ )
  - iv) (2, 3, 4, 5) as hyper cube 4 with summation value for four folds (  $2+3+4+5= 14$ )
  - v) (3, 4, 5, 6) as hyper cube 5 with summation value for four folds (  $3+4+5+6= 18$ )
  - vi) (4, 5, 6, 7) as hyper cube 6 with summation value for four folds (  $4+5+6+7= 22$ )

### LESSON-44

#### 1) SATHAPATYA MEASURING ROD (23-A) FORMAT FEATURES

1. Sathapatya Measuring Rod is a synthetic set up of hyper cubes 1 to 6.
2. Hyper cube format is a set up of four folds of 4 consecutive dimensional spaces space content manifesting as domain folds and playing respective roles as of
7. Domain boundary ratio formulation of hyper cube N is  $A^n:2nb^{n-1}$  which for  $N = 1, 2, 3, 4, 5, 6$  leads to boundary component range as ( 2, 4, 6, 8, 10, 12) .
8. This range of boundary component will require ( 2+1, 4 x 2, 6 x 3, 8 x 4, 10 x 5, 12 x 6) number of



coordinates in terms of the dimensional frames of 1, 2, 3, 4, 5, 6 spaces.

9. The coordinates range ( 2, 8, 18, 32, 50, 72) permits reorganization as ( 2, 2+6, 2+6+10, 2+6+10+14, 2+6+10+14+18, 2+6+10+14+18+22).

10. One may have a pause here and take note that :  
2 = summation value of four folds of hyper cube 1.

8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2.

18= 8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2+ summation value of four folds of hyper cube 3.

32= . 8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2+ summation value of four folds of hyper cube 3+ . summation value of four folds of hyper cube 4,

50 = 8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2+ summation value of four folds of hyper cube 3+ . summation value of four folds of hyper cube 4+ summation value of four folds of hyper cube 5.

72 = 8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2+ summation value of four folds

of hyper cube 3+ . summation value of four folds of hyper cube 4+ summation value of four folds of hyper cube 5+ summation value of four folds of hyper cube 6.

11. One may have a pause here and take note that the above features bring to focus that :

i) Boundary fixation of hyper cube 1, goes parallel to value 2 which makes hyper cube 1 set up as its measuring rod.

ii) Boundary fixation of hyper cube 2, goes parallel to value 8= 2+6 which makes hyper cube 1 and hyper cube 2 set ups as a measuring rod of hyper cube 2 domain within boundary

iii) Boundary fixation of hyper cube 3, goes parallel to value 18= 2+6+10, which makes hyper cubes 1, 2 & 3 set ups as a measuring rod of hyper cube 3 domain within boundary.

iv) Boundary fixation of hyper cube 4, goes parallel to value 32= 2+6+10+14, which makes hyper cubes 1, 2, 3 & 4 set ups as a measuring rod of hyper cube 4 domain within boundary.

v) Boundary fixation of hyper cube 5, goes parallel to value 50= 2+6+10+14+18, which makes hyper cubes 1, 2, 3 ,4 & 5 set ups as a measuring rod of hyper cube 5 domain within boundary.

vi) Boundary fixation of hyper cube 6, goes parallel to value 72= 2+6+10+14+18+22, which makes hyper cubes 1, 2, 3 ,4 ,5 & 6 set ups as a measuring rod of hyper cube 6 domain within boundary.

12. One may have a pause here and permit the transcending mind to

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glimpse and imbibe hyper cube 1 as its own measuring rod, hyper cubes 1 & 2 together synthesizing a measuring rod of 2 space domain of hyper cube 2, hyper cubes 1, 2 & 3 together synthesizing a measuring rod of 3 space domain of hyper cube 3, hyper cubes 1, 2, 3 & 4 together synthesizing a measuring rod of 4 space domain of hyper cube 4, hyper cubes 1, 2, 3, 4 & 5 together synthesizing a measuring rod of 5 space domain of hyper cube 5 and hyper cubes 1, 2, 3, 4, 5 & 6 together synthesizing a measuring rod of 6 space domain of hyper cube 6.

13. One may further have a pause here and permit the transcending mind to continuously remain in prolonged sitting of TRANS and to glimpse and imbibe the sequential format feature of hyper cubes sequentially synthesizing measuring rod for 2, 3, 4, 5, 6 spaces domain.
14. It would be a blissful exercise to chase format feature of synthetic set up of the measuring rod of 7 space domain of hyper cube 7.



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3. A step ahead, its extension into self referral range of six folds (( -1, 0, 1, 2, 3, 4) comes to be of summation value  $2+3+4=9$ .
4. Like that the sequential extension of four fold manifestation layer of hyper cube 1 into 5, 6, 7, 8 & higher number of folds shall be leading to sequence of summation value of the folds as ( 2,  $2+3=5$ ,  $2+3+4=9$ ,  $2+3+4+5=14$ ,  $2+3+4+5+6=20$ , -----
5. One may have a pause here and take note that this summation values sequence ( 2, 5, 9, 14, 20, 27, 35,----) is parallel to the values sequence of 4, 5, 6, 7, 8, 9, ----- number of dimensions synthesis value difference between the consecutive dimensional orders .
6. Illustratively, (I) the difference of dimensional synthesis values of 4 dimensions of dimensional order N and of dimensional order N+1 is **“2”**. (II) The difference of dimensional synthesis values of 5 dimensions of dimensional order N and of dimensional order N+1 is **“5”**. (III) The difference of dimensional synthesis values of 6 dimensions of dimensional order N and of dimensional order N+1 is **“9”**. (IV) The difference of dimensional synthesis values of 9 dimensions of dimensional order N and of dimensional order N+1 is **“14”**. (V) The difference of dimensional synthesis values of 14 dimensions of dimensional order N and of dimensional order N+1 is **“20”**-----.
7. It would be blissful to take note that the sequential synthesis values of 4 dimensions of linear will decrease by value 2 at every next dimensional order and it will give rise to deficiencies sequence as “ 2, 4, 6, 8, 10).
8. Further it would be blissful to take note that the sequential synthesis values of 5 dimensions of linear will decrease by value 5 at every next dimensional order and it will give rise to deficiencies sequence as ( 5, 10, 15, 20, 25, 30, -----).
9. Still further it would be blissful to take note that the sequential synthesis values of 6 dimensions of linear will decrease by value 5 at every next dimensional order and it will give rise to deficiencies sequence as (9, 18, 27, 36, 45 -----).
10. And still further it would be blissful to continue reach at deficiencies sequence for 7, 8, 9 & of any number of dimensions synthesis value for whole range of dimensional order.
11. One may have a pause here and take note that the reach at the deficiencies sequence has at its base the processing system of mathematical domains of Ganita Sutra 10 and Ganita upsutra 6 in particular.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats of Sathapatya Measuring Rod. ■

**LESSON-47**

**SET UP OF BOUNDARY AND BOUNDARY OF BOUNDARY**

1. The set up of boundary and boundary of boundary of dimensional domain is of features which in terms of number of boundary components comes to be  $(2n, 2n-2)$  pair of summation value  $4N-2$  which for  $N = 1, 2, 3, 4, 5, 6, 7$  leads to a values range  $(2, 6, 10, 14, 18, 22, 26)$  which is parallel to the summation value of four fold manifestation layer of hyper cubes 1, 2, 3, 4, 5, 6 & 7 respectively .
2. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats.
3. One shall further sit comfortably and permit the transcending mind to revisit Sathapatya Measuring Rod of 6 space as a synthetic set up of hyper cubes 1 to 6 and the emerging Sathapatya Measuring Rods for the sequential domain folds of hyper cubes 1 to 6.
4. As the Sathapatya Measuring Rod of 1 space domain is parallel to hyper cube 1 and Sathapatya Measuring Rod of 2 space domain is parallel to the features of hyper cubes 1 & 2 together and step ahead for 3 space domain the measuring rod being parallel to the features of hyper cubes 1, 2 & 3, and so on, as such the Sathapatya Measuring Rod 6

space will be having sequential measuring rods at each phases .

5. Still further as that the reach upto boundary of boundary of a dimensional domain as well is of the format features of respective hyper cubes, as such the chase in terms of measuring rod of 6 space will amount to a chase parallel to phasewise chase of reach upto boundary of boundary of domain folds of hyper cubes 1 to 6 being availed for the synthetic set up of the measuring rod of 6 space.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats.
7. One shall glimpse and fully imbibe the format features of Sathapatya Measuring Rod to acquire deep insight and appropriate enlightenment about the Vedic processing systems along geometric format in terms of artifices of values of whole numbers.

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**LESSON-48**

**6-SPACE MATHEMATICS**

**Introductory**

1. 6-space mathematics is the mathematics of creations.
2. The existence phenomenon of creation within human frame is the phenomenon of ‘impulses’.
3. The transition from phase 2 as of 6-space content to phase 3 as of 6-space mathematics is the

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- transition from 'creator' to 'creation'.
4. This transition is of the range of transition from 'measure' to be measuring rod itself.
  5. It is of the reach from 4-space as dimension to 6-space as domain.
  6. This is a reach from values to virtues.
  7. Values of 6-space content are being chased by 6-space mathematics as virtues of the values of 6-space content.

### 6-SPACE MATHEMATICS

1. 6-space mathematics is the mathematics of 6-space contents manifesting as 6-space domain and playing its different roles of which six of them are as:
  - i. Dimension fold of 8-space.
  - ii. Boundary fold of 7-space.
  - iii. Re-manifestation within 6-space domain.
  - iv. Origins fold of 5-space domain.
  - v. Base fold of 4-space domain.
  - vi. Format of 3-space domain.
2. Further reach of 6-space content manifesting as domain fold is of the nature of it as a self-referral order (6-space in the role of dimension), sequentially leads to 9-space as origin, 10-space as base, 11-space as format of base and 12-space as unity state of format of base of origin.
3. A step ahead, 6-space also lead to natural source sustained by Brahman reservoir.
4. 6-space has 13 geometries range and parallel to it are 13 versions of hyper cube 6, of which 7 are of non-negative signature (0, 1, 2, 3, 4, 5, 6) which as a starting value 6 takes us to values range (6, 7, 8, 9, 10, 11, 12) and same as dimension, boundary, domain, origin, base and format make the sequential reach step.
5. 6-space as dimension fold shall be manifesting a creative dimensional frame of 6 dimensions.
6. 6-space as boundary fold shall be manifesting a boundary of 14 components.
7. 6-space re-manifesting within self-referral domain (6-space domain) shall be manifesting a Sathapatya measuring rod synthesis by hyper cube 1 to 6 for chase of 6-space domain.
8. 6-space as domain fold shall be permitting transcendence flow path for the transcendental carriers for reach up-till orb of the sun from where Brahman carrier will take over.
9. With it, the richness and extent of reach of 6-space mathematics, and its system is self evident.
10. 6-space mathematics becomes a mathematical domain of the order of 6-space domain itself.
11. The values and virtues of 6-space domain and of 6-space mathematics domain run parallel to each other.
12. Reach of 6-space domain and as such of 6-space mathematics is of the range of existence phenomenon of our solar universe within and

without frame, including existence within human frame.

13. Parallel processing values of Yoga Nishta and of Sankhya Nishta lead to chase of 6-space domain within creative dimensional frame of 6 dimensions permit parallel chase along the artifices of numbers which settles number value 6 as 'Surya Ank' / 6 as number of sun.
14. With it, values range (1, 2, 3, 4, 5, 6) goes parallel to Sathapatya parallel to set up of Sathapatya measuring rod as a synthetic set up of hyper cubes 1 to 6.
15. This further takes parallel to shad chakras (eternal circuits) of human frame.
16. Still further, it also take parallel to 6 steps long range of (earth, water, fire, air, space, sun).
17. A step head it takes to the sustain-ness format of Tri-Murti for Tri-Loki.
18. These parallel 6 folds formats organizations emerge as different aspects of the discipline of 6-space mathematics.
19. 6-space mathematics becomes the basis base of 6-space Vedic Mathematics, Science & Technology.
20. The distinct prominent processing features of 6-space domain, and parallel to it the processing systems of 6-space mathematics marks their presence under designations of features and values as under:
  - i. Manifestation of 6-space contents as domain fold of hyper cube 6 format along the format of Idol of Lord Brahma, over lord of real 4-space.
  - ii. Transcendence at origin fold for its reach up-till the base fold, and ascendance back from base through origin into domain fold of 6-space.
  - iii. Extension of 4 folds manifestation layer into 5 fold transcendence range and along the transcendence range happening transition and transformation for a four folds manifestation layer into next order four folds manifestation layer.
  - iv. Transcendence range further extending into self-referral range of 6 folds permitting transition and transformation for a given order transcendence range into the next order transcendence range.
  - v. Sealed state domain in a dynamic state carries origin to the next order domain in unsealed state and their by there being a Divya Ganga Parvaha covering the range from first perfect number (6) to the second perfect number (28) and as a system having a reach a head from second perfect number (28) to the third perfect number (496).
  - vi. Two folds transcendence happening within all the four folds (4-space as dimension, 5-space as boundary, 6-space as domain and 7-space as origin).



- vii. Divya Ganga Parvaha taking place during transcendence within each of the four folds (4-space as dimension, 5-space as boundary, 6-space as domain and 7-space as origin).
21. These features and values, individually and collectively make the features and values of 6-space mathematics domain parallel to 6-space domain.
  22. These features and values of 6-space domain and of 6-space mathematics domain are the expression range of Vedas which collectively are the expression of single wholesome Vedic domain which during its re-organization is manifesting as four Vedas, Upvedas, Vedengas and Vedic knowledge based literature of purans of Samrits, apex and all that.
  23. Each of 4 Vedas (Rig Ved, Yajur Ved, Sam Ved and Athrav Ved) have their full expressions as 21, 101, 1000 and 9 branches respectively.
  24. Of these, Sakhala Rig Ved Samhita of Rig Ved is the source scripture and the seat thoughts and process of Vedic knowledge domain are well preserved in this scripture, in term of which the entire Vedic domain can enliven on the format of self-referral domain (6-space domain) and its parallel basis base 6-space mathematics domain.
  25. Sadhakas fulfilled with intensity of urge to know and to explore Vedic mathematics shall initiate themselves and to glimpse and imbibe the values of 6-space domain and 6-space mathematics domain.



### 13 COMPACTIFIED RANGE OF ORIGINS

This day the course focus is upon 'Compactified range of origins'. It four folds aspects being taken up are as follows:

53. Sathapatya measuring rod.
54. Compactified range of origins.
55. Transcendence within self-referral domain.
56. Formulation 'Eka-Adhikena'.

The values being covered are to be taught as lessons numbers 49 to 52 to the students of 6-space Vedic Mathematics, Science & Technology.

#### LESSON-49 SATHAPATYA MEASURING ROD

1. Sathapatya measuring rod is a synthetic set up of hyper cubes 1 to 6.
2. Hyper cube format is a four folds format of dimension fold, boundary fold, domain and origin fold.
3. Space contents of four consecutive dimensional spaces (N space, N+1 space, N+2 space, N+3 space) together simultaneously manifests as N space dimension fold, N+1 space boundary fold, N+2 space domain fold and N+3 space origin fold of hyper cube (N+2).
4. As the space content manifests domain fold and same as in a manifested state of a domain fold, plays different role, as such the domain fold becomes the dominating feature of hyper cube and accordingly hyper cube is

recognized in terms of its domain fold.

5. One may have a pause here and take note that hyper cube of four folds (N-space as dimension, N+1 space boundary, N+2 space domain and N+3 space origin) is being designated as hyper cube N+2 as N+2 space as content as manifesting as domain fold here.
6. It would be a blissful exercise to re-visit hyper cubes 1, 2, 3, 4, 5 and 6 in terms of their respect four folds with 1-space content manifesting as domain fold of hyper cube 1, 2-space content manifesting as domain fold of hyper cube 2, 3-space content manifesting as domain fold of hyper cube 3, 4-space content manifesting as domain fold of hyper cube 4, 5-space content manifesting as domain fold of hyper cube 5 and 6-space content manifesting as domain fold of hyper cube 6.
7. It would further be a blissful exercise to take note that as each space content manifests as domain fold and the domain fold plays four distinct roles as dimensional fold, boundary fold, domain fold and origin fold, as such space content of (1, 2, 3, 4, 5, 6) space shall be leading to as many as  $6 \times 4 = 24$  distinct roles their off.
8. One may further have a pause here and take note that transcendence take place at the origin fold and the four folds manifestation layer gets extended into a five folds transcendence range, and further as that the five folds transcendence range as well accepts extension into

## Transcendental content

6 fold self-referral range, as such hyper cubes 1 to 6 shall be leading to self-referral ranges in respect of each of the 6 hyper cube format which as a result leading us to as many as  $6 \times 6 = 36$  folds set up.

9. It would be a blissful exercise to chase above  $6 \times 6 = 36$  folds set up as permits organization along  $6 \times 6$  grid with each row and each column being the expression of a self-referral range:

1	2	3	4	5	6
2	3	4	5	6	7
3	4	5	6	7	8
4	5	6	7	8	9
5	6	7	8	9	10
6	7	8	9	10	11

10. Let us have revisit above organization.
11. First row (1, 2, 3, 4, 5, 6) has parallel to it a self-referral range of (1-space as dimension fold, 2-space as boundary fold, 3-space as domain fold, 4-space as origin fold, 5-space as base fold and 6-space as format fold).
12. Likewise is the set up for first column.
13. The second row and second column as ranges (2, 3, 4, 5, 6, 7) are having parallel organization of 2-space as dimension fold, 3-space as boundary fold, 4-space as domain fold, 5-space as origin fold, 6-space as base fold and 7-space format fold.
14. One may have a pause here and take note that first row self-referral range is of a linear order, while the second row self-referral range is of a spatial order.

15. Likewise 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> and 6 rows and columns are the formats of solid, creative, transcendental and self-referral orders self-referral ranges.
16. Of these, 6 distinct roles of 6-space accepts organization along the north east diagonal of above  $6 \times 6$  grid organization.
17. It would be a blissful exercise to glimpse and to chase and to imbibe the structural relationship of 6-space with other spaces in the respective roles of which 6-space itself is playing one of the role say as of 6-space dimension fold, 6-space boundary fold, 6-space domain fold, 6-space origin fold, 6-space base fold and 6-space format fold.
18. It would be blissful to glimpse and to imbibe the role of 6-space as format fold of linear order self-referral range and likewise to be glimpsed and to imbibed the other roles of 6-space of spatial, solid, creative, transcendental and self-referral order self-referral ranges.
19. It would further be blissful to glimpse and to chase and to imbibe manifestation for 6-space content in the roles of dimensional fold, boundary fold, domain fold, origin fold, base fold and format fold.
20. As dimensional fold, there would be a manifestation a self-referral dimensional frame of 8 dimensions.
21. As a boundary fold, there would be a manifestation of a self-referral boundary of 14 components.
22. As a domain fold, there would be a re-manifestation of 6-space domain within a 6-space domain.
23. As 6-space origin fold, its creative dimensional order shall be carrying

solid dimensional order of transcendental domain up-till base fold of transcendental order.

24. 6-space as base fold, shall be leading to upward transcendence and its creative dimensional order shall be carrying the solid order of transcendental origin for its reach within the creative domain.
25. 6-space as format fold, shall be sustaining base fold and shall be supporting the reverse transcendence from the base fold through origin fold into the domain fold.
26. Sadhakas fulfilled with intensity of urge to know and to explore further the pure and applied values of above features of Sathapatya measuring rod for chase of self-referral domain (6-space domain) and parallel to it the mathematical values and processing systems of 6-space mathematics, shall visit and revisit above feature and values of Sathapatya measuring rod individually and collectively for each constitution of Sathapatya measuring rod, individually as well as collectively as entire Sathapatya measuring rod.
27. One shall further glimpse and imbibe the parallel format of Sathapatya measuring rod as well as of shad chakra format of human frame, artifices of numbers range 1 to 6, 6 steps long range of 'earth, water, fire, air, space and sun', as well.
28. One shall visit again and to glimpse and imbibe the organization features and values of 36 folds set up along 6x6 grid to have comprehensive

view of the role of Sathapatya measuring rod in chase of 6-space domain and parallel to it of 6-space mathematics domain.

## LESSON-50 COMPACTIFIED RANGE OF ORIGINS

1. Self-referral domain permits extension of transcendence ranges into self-referral ranges, as a step ahead of transcendental domain permitting extension of four folds manifestation layers into five folds transcendence ranges as the origin folds are in a compactified state and this range sequentially unfolds, step by step.
2. This feature of manifestation for origins as a compactified range is their because of origin fold being of a higher dimensional order than that of domain fold.
3. The sequential unfolding of the origins range during transcendence of the order of the domain fold permits chase along the Sathapatya measuring rod format.
4. 4-space as origin of 3-space permits transcendence with the linear order of domain fold availing the format of spatial order of origin and their by there happen to a reach up-till solid order of transcendental base.
5. A step ahead, spatial order of 4-space domain avails solid order of transcendental origin as a format path for reach up-till self-referral base of creative order.
6. One shall glimpse and imbibe this transcendence phenomenon and

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consequential unfolding of compactified origins by chasing it along the format of Sathapatya measuring rod.

7. One may have a pause here and take note that the transcendence phenomenon is taking us up-till the dimensional order of the domain permitting to carried by the dimensional order of the origin for reach up-till the base fold whose order is parallel to the features of the domain fold itself.
8. For the facility of one's evaluation of one's comprehension of the feature and values of above phenomenon, tabulation is being made under:
- 9.

S.No	Domain	Order of Domain	Origin	Order of Origin	Order of base
1	-	-	-	-	-
2	-	-	-	-	-
3	3	1	4	2	3
4	4	2	5	3	4
5	5	3	6	4	5
6	6	4	7	5	6
7	7	5	8	6	7

10. It would be a blissful exercise to chase transcendence and consequential sequential unfolding of compactified origins along the format of Sathapatya measuring rod which itself is a sequential synthetic

set up parallel to the values range (1, 2, 3, 4, 5, 6).

11. As each space as a role to play as an origin, as such transcendence at the origin of each of hyper cubes there is to happen, a transcendence and consequential unfolding origin compactified there.
12. It would be blissful to glimpse and to imbibe and to chase of transcendence at the origin of hyper cube 1, 2, 3, 4, 5, 6 of Sathapatya measuring rod and to have chase for each of these 6 streams of transcendence in terms of format of Sathapatya measuring rod itself.
13. It would be very blissful to glimpse and to imbibe and to have a chase of phenomenon of 6 stream of transcendence at origins of hyper cubes 1 to 6 permitting in each case having chase in terms of Sathapatya measuring rod itself, and the whole of this phenomenon happening within the self-referral domain (6-space domain) itself.
14. One shall visit and revisit above phenomenon happening within self-referral domain.
15. One shall permits the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe 6 streams transcendence happening within self-referral domain and each stream permitting its chase in terms of the format of Sathapatya measuring rod.
16. One's one shall be perfecting one's intelligence above this 6 stream transcendence phenomenon of a self-referral domain, one shall be processing parallel to the processing

systems of self-referral domain in terms of its creative dimensional order manifesting as a hyper cube format of 4 folds manifestation layers and 6 such manifestation together manifesting the creative dimensional frame of self-referral domain.

17. Then, within each of the creative dimension, as well happening a transcendence phenomenon, and the domain starts unfolding itself as of add-infinitum steps.
18. One may have a pause here and take note that creative dimension itself is of a spatial dimensional order and as such there happens to be re-manifestation for the dimensional domain within the dimensional domain of the same order.
19. One may further have a pause here and take note that the internal diagonal of hexagon intersect and construct inner hexagon constrict with the outer hexagon but only half number of diagonals of the outer hexagon passing through the centre of the hexagon.
20. One shall sit comfortably and to permit the transcending mind to comprehend and imbibe the feature and value of reach from the outer hexagon to the inner hexagon, and that the process is to continue add-infinitum.
21. One may have a pause here and take note that the phenomenon of concentric hexagons, is parallel to phenomenon of compactified origins but with the only difference that here the polygons are having format of 2-space parallel to the spatial order.
22. It would be blissful to have a chase of unfolding steps of compactified origin range and the chase of inner hexagon with concentric set ups.
23. Here in the context of pentagons, it would be blissful to take note that there also happens to be an internal pentagon for the external pentagon being concentric with each other but none of the diagonals of the outer pentagon pass through the common centre of outer and inner pentagons.
24. As such, the compactified feature of origins and of concentric outer and inner polygons run parallel to each other with the only difference that in case of pentagon of all number of sides are not permitting diagonals to pass through the centre but in case of polygons of even numbers of sides 6 onwards permit only half number of diagonal to pass through the centre.
25. One shall visit and revisit above set ups and to fully comprehend the features and values of above set ups and happening. ■

### LESSON-51

## TRANSCENDENCE WITHIN SELF-REFERRAL DOMAIN

1. Self-referral domain is of a creative dimensional order and spatial order of its dimension of dimension.
2. Creator order itself sequentially takes to spatial order as its dimension and zero order as its dimension of dimension.
3. Further, zero order takes to negative spatial order as its dimension and

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negative creative order as its dimension of dimension.

4. These transcendence features from domain to dimension, and a head from dimension to dimension of dimension are as per the values of domain split spectrum of sequential steps.
5. Within, self-referral domain (6-space domain), split spectrum range of 6-steps sequentially takes us to split entities of the spectrum at each step as (1, 2, 5, 12, 30, 70, 169)
6. To begin with domain (N) is a single entity making it a single entity spectrum prior to the split stage.
7. At first split, N domain splits into a pair of entities of (N-2) domains, as a reach from domain (N) to dimension (N-2).
8. With it, at first split stage there happens to be a spectrum of 2 entities (N-2) domain.
9. It would further be relevant to take note that during split of N domain as a pair of (N-2) domain, here would also a release of (N-4) domain being dimension of dimension.
10. There for at the second split pair of (N-2) domains shall be splitting into quadruple (N-4) domains, which together with the earlier available (N-4) domain will make the spectrum of 5 entities of (N-4) domains.
11. However, at the stage there also would be a release of a pair of (N-6) entities as dimension of dimensions.
12. Accordingly at the third split there would be a spectrum of  $(2 \times 5 + 2) = 12$  (N-6) domain spectrums.
13. And in addition there would be a release of 5 dimensions of dimensions of order (N-8) domains.
14. Accordingly at the fourth split there would be a spectrum of  $(2 \times 12 + 5) = 29$  entities of (N-8) domains.
15. A step head at fifth split there would be a spectrum of  $(2 \times 29 + 12) = 70$  entities of (N-10) domains.
16. And at the 6<sup>th</sup> split there would be a spectrum of  $(2 \times 70 + 29) = 169$  entities of (N-12) domain.
17. One may have a pause here and have a fresh visit to emerging spectrum entities at each sequential split of domain N as (2 entities of domain (N-2), 5 entities of domain (N-4).
18. 12 entities of domain (N-6), 29 entities of domain (N-8), 70 entities of domain (N-10), 169 entities of domain (N-12).
19. It would be blissful to take note that value 169 accepts organization as  $169 = (13 \times 13)$ .
20. It would be blissful to take note that number value 13 is parallel to 13 geometries range of 6-space which is further parallel to hyper cube 6 of self-referral domain.
21. One shall visit and to revisit the above entities of domain split spectrum for (1, 2, 3, 4, 5, 6 spaces domain) to have a comprehensive view of the phenomenon happening within self-referral domain permitting chase in terms of a Sathapatya measuring rod synthesized by hyper cubes 1 to 6.
22. 1-space domain split spectrum up-till 6<sup>th</sup> split shall be leading to spectrum entities (2 of (-1) domain, 5 of (-3) domain, 12 of (-5) domain,

- 29 of (-7) domain, 70 of (-9) domain and 169 of (-11) domain).
23. 2-space domain split spectrum up-till 6<sup>th</sup> split shall be leading to spectrum entities (2 of (0) domain, 5 of (-2) domain, 12 of (-4) domain, 29 of (-6) domain, 70 of (-8) domain and 169 of (-10) domain).
24. 3-space domain split spectrum up-till 6<sup>th</sup> split shall be leading to spectrum entities (2 of (1) domain, 5 of (-1) domain, 12 of (-3) domain, 29 of (-5) domain, 70 of (-7) domain and 169 of (-9) domain).
25. 4-space domain split spectrum up-till 6<sup>th</sup> split shall be leading to spectrum entities (2 of (2) domain, 5 of (0) domain, 12 of (-2) domain, 29 of (-4) domain, 70 of (-6) domain and 169 of (-8) domain).
26. 5-space domain split spectrum up-till 6<sup>th</sup> split shall be leading to spectrum entities (2 of (3) domain, 5 of (1) domain, 12 of (-1) domain, 29 of (-3) domain, 70 of (-5) domain and 169 of (-7) domain).
27. 6-space domain split spectrum up-till 6<sup>th</sup> split shall be leading to spectrum entities (2 of (4) domain, 5 of (2) domain, 12 of (0) domain, 29 of (-2) domain, 70 of (-4) domain and 169 of (-6) domain).
28. One may have a pause here and permit the transcending to have comprehensive view of above split spectrum within self-referral domain.
29. It would be blissful to take note that in 6 split steps, self-referral domain is leading to entities of (4, 2, 0, -2, -4, -6) domain entities.
30. Let us pause to ourselves as to which domain is having its split entities as of 6-space domain.
31. The answer is that  $N = 18$  shall be sequentially leading to us:
  - i. 2 entities of domain 16
  - ii. 5 entities of domain 14
  - iii. 12 entities of domain 12
  - iv. 29 entities of domain 10
  - v. 70 entities of domain 8
  - vi. 169 entities of domain 6.
32. It would be blissful to extent above split for six further steps and have a reach at 7<sup>th</sup> to 12<sup>th</sup> stages of split which shall be yielding further sequential split entities as under:
  - vii. 408 entities of domain 4
  - viii. 985 entities of domain 2
  - ix.  $(2 \times 985 + 408) = 2378$  entities of domain 0
  - x.  $(2 \times 2378 + 985) = 5741$  entities of domain (-2).
  - xi.  $(2 \times 5741 + 2378) = 13860$  entities of domain (-4).
  - xii.  $(2 \times 13860 + 5741) = 33461$  entities of domain (-6).
33. A step head at the phase and stage of 13 split, spectrum would be of  $(2 \times 33461 + 13860) = 80782$  entities of domain (-8).
34. One may have a pause here and take note that the split stages from 6<sup>th</sup> splits to 13<sup>th</sup> split lead us to spectrum entities of (6, 4, 2, 0, -2, -4, -6, -8).
35. It would be blissful to take note that these 8 steps long range of above split domains (6, 4, 2, 0, -2, -4, -6, -8) is the format of organization of formulation 'Ek Adhikana' of Ganita Sutra 1 for its first eight letters is parallel to their transcendental code values.

LESSON-52

FORMULATION 'EKA-ADHIKENA'

1. EKA ADHIKENA and PURVENA' text avails 16 letters in all.
2. First formulation 'EKA ADHIKENA' is a composition of 9 letters.
3. This 9 letters composition is of the transcendental code values range (6, 4, 2, 7, 2, 4, 6, 8, 1).
4. This transcendental code values range of formulation 'EKA ADHIKENA' is of the format feature and values of domain split spectrum of domain (18) from its split phase and stage of 6<sup>th</sup> to 13<sup>th</sup> split format value (6, 4, 2, 0, -2, -4, -6, -8), (-10).
5. The second formulation 'PURVENA' accepts transcendental code values range (5, 3+3, (2), 7, 6, (2), 7, 1) parallel to which is the format of transcendental domain organization.
6. Hyper cube 5 is the representative regular body of 5-space and it is of four folds (3, 4, 5, 6) of summation value (3+4+5+6) = 18.
7. Orientation wise the transcendence is to be from transcendental domain (5-space) through self-referral origin (6-space), and also in reverse orientation is to be from self-referral domain to transcendental domain.
8. As such, it would be a blissful exercise to chase 16 letters text from its first letter to the last, 16<sup>th</sup> letters. Also there can be a chase from 16<sup>th</sup> letter for its chase up-till first letter.
9. Further the chase, in both orientations can be from first formulation text of 9 letters to second formulation text of 7 letters. And other way round, the chase can be in reverse orientation beginning with second formulation and the same in continuity to be carried from the last letter of first formulation to its first letter.
10. Here the above tabulation of transcendental code values of first formulation as (6, 4, 2, 7, 2, 4, 6, 8 1) is of the orientation of first letter to the last letter of the first formulation.
11. Likewise the tabulation of split spectrum of domain (18) from its 6<sup>th</sup> split phase and stage to its 13<sup>th</sup> phase and stage, and a step head up till its 14<sup>th</sup> phase and stage is in that sequence being of the values of the domain entities of respective split phases and stages is (6, 4, 2, 0, -2, -4, -6, -8, -10).
12. It is because of spatial order and the sequence equation  $y = x^2$  of parabolic format, there happens to be a reversal of orientation at zero space domain reach that it is with proper appreciation of this feature in mind the comparison of the format of transcendental code value and domain split spectrum values range is to be reached at.
13. For facility of one' evaluation one's comprehension of above format features, sequential chase of transcendental code value reach for the nine letters text of formulation 'EKA ADHIKENA' is being chased here under:



14. Formulation 'EKA-ADHIKENA' is the first word formulation of the text of Ganita sutras 1.
15. First letter of this formulation is sixth vowel.
16. It accepts TCV value '6'.
17. Second letter of the formulation is the first Vargas consonant 'KA'.
18. It accepts transcendental code value TCV value '4'.
19. Third letter of formulation is elongated first vowel.
20. It accepts transcendental code value TCV value '2'.
21. The elongated first vowel together with the fourth letter of the formulation take us to the formulation of Aath and Adh which means half of half, and
22. It takes us to the sequential exhaustion for the value of '7' of fourth letter of the formulation.
23. As such it is the face and staged of reach at value '0'.
24. The fifth letter of formulation is the second vowel.
25. The second vowel accepts TCV values '2'.
26. Sixth letter of formulation is the first Vargas consonant.
27. It accepts TCV value '4'.
28. Seventh letter of the formulation is the sixth vowel.
29. It accepts TCV values '6'.
30. One may have a pause here and take note that these seven letters of the formulation give rise to the range of value (6, 4, 2, 0, 2, 4, 6).
31. It would be blissful to chase this organization. It brings us face to face with parabolic format.
32. This parabolic format is parallel to transcendence format for self-referral domain '6-space domain' within creative dimensional frame (4-space as dimension) which results into reversal of orientation with reach at 0 value face and stage.
33. It would further be blissful to take note that the eighth letter of the formulation 'fifth letter of the fourth of the Vargas consonant) accepts TCV values '8'.
34. One may have a pause here and take note that this is a sequential progression for (0, 2, 4, 6) into (2, 4, 6, 8).
35. One may further have a pause here and take note that the values range (0, 2, 4, 6, 8) is parallel to dimensional synthesis values range of (0, 1, 2, 3, 4) number of spatial dimensions.
36. This as such is the reach is the complete reach for quadruple spatial dimension synthesis reach.
37. This as such is the reach for the 6-space domain, which as dimension create 8-space domain. The last, ninth letter of the formulation is the first vowel accept TCV values '1' which means a fresh start of chase of 6-space (measuring rod).
38. It would be blissful to take note that the enlightenment of Shri Mad Bagwad Geeta is that: 'Amongst syllables, I am Akara, the first syllable': Lord Krishna, in coronation of Lord Vishnu, the over Lord of real 6-space.
39. Sadhakas fulfilled with intensity of urge to know and to explore further shall, in continuity chase further the transcendental code values range of the second word formulation 'PURVENA'.

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40. Formulation 'PURVENA' avails 7 letters.
41. The third letter also finds its placement as the fifth letter.
42. As such, the transcendental code values (2) is being marked for its presence at both places within a bracket that this value is to be considered for only one place but at either of them.
43. The transcendental code value range for the second formulation comes to be as [5, (3+3), (2), 7, 6, (2), 7, 1].
44. One may have a pause here and take note that value (2) is of third placement while chase is in its either orientations.
45. Otherwise, in a given orientations it is of a double choice placement, at 3<sup>rd</sup> and 5<sup>th</sup> places, which in reversal become the 5<sup>th</sup> and 3<sup>rd</sup> placement.
46. This aspect and another connected aspect of organization of Ganita Sutra as of self-referral domain and making it a mathematics of 6-space would be taken up for its details, at subsequent steps.



14

**ENVELOPING BOUNDARIES UNIVERSE**

This day the course focus is upon ‘Enveloping boundaries universe’. It four folds aspects being taken up are as follows:

- 77. Reach at enveloping boundaries universe.
- 78. Mathematics of self-referral domain in sealed state.
- 79. Dynamic state self-referral domain.
- 80. Constitutions of self-referral domain.

The values being covered are to be taught as lessons numbers 53 to 56 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-53**

**REACH AT ENVELOPING BOUNDARIES UNIVERSE**

- 1. Solar universe (6-space universe) permits chase as self-referral domain in terms of Sathapatya measuring rod of hyper cubes 1 to 6.
- 2. Hyper cubes 1 to 6 accepts boundaries of components range (2, 4, 6, 8, 10, 12) which permits fixation in terms of [(2x1), (4x2), (6x3), (8x4), (10x5), (12x6) coordinate range] the value range (2, 8, 18, 32, 50, 72) accepts re-organization as [(2), (2+6), (2+6+10), (2+6+10+14), (2+6+10+14+18), (2+6+10+14+18+22)].
- 3. Further these accepts re-organization as:

- i.  $2 = (-1) + (0) + (1) + (2)$  parallel to which is the summation value of four fold manifestation layers (-1, 0, 1, 2) of hyper cube 1.
- ii.  $6 = (0) + (1) + (2) + (3)$  parallel to which is the summation value of four fold manifestation layers (0, 1, 2, 3) of hyper cube 2.
- iii.  $10 = (1) + (2) + (3) + (4)$  parallel to which is the summation value of four fold manifestation layers (1, 2, 3, 4) of hyper cube 3.
- iv.  $14 = (2) + (3) + (4) + (5)$  parallel to which is the summation value of four fold manifestation layers (2, 3, 4, 5) of hyper cube 4.
- v.  $18 = (3) + (4) + (5) + (6)$  parallel to which is the summation value of four fold manifestation layers (3, 4, 5, 6) of hyper cube 5.
- vi.  $22 = (4) + (5) + (6) + (7)$  parallel to which is the summation value of four fold manifestation layers (4, 5, 6, 7) of hyper cube 6.

- 4. One may have a pause here and take note that value 2 is parallel to summation value of folds of hyper cube 1.
- 5. Value 8 is parallel to summation value of fold of hyper cube 1 and 2.
- 6. Value 18 is parallel to summation value of fold of hyper cube1, hyper cube 2, and hyper cube 3.
- 7. Value 32 is parallel to summation value of fold of hyper cube1, hyper

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- cube 2, and hyper cube 3, hyper cube 4.
8. Value 50 is parallel to summation value of fold of hyper cube 1, hyper cube 2, and hyper cube 3, hyper cube 4, hyper cube 5.
  9. Value 72 is parallel to summation value of fold of hyper cube 1, hyper cube 2, and hyper cube 3, hyper cube 4, hyper cube 5 and hyper cube 6.
  10. One may have a pause here and take note that enveloping of hyper cubes 1 to 6 permits sequential chase in term of sequential progression set up of Sathapatya measuring rod synthesized by:
    - i. Hyper cube 1.
    - ii. Hyper cube 1, hyper cube 2.
    - iii. Hyper cube 1, hyper cube 2, Hyper cube 3.
    - iv. Hyper cube 1, hyper cube 2, Hyper cube 3, Hyper cube 4.
    - v. Hyper cube 1, Hyper cube 2, Hyper cube 3, Hyper cube 4, Hyper cube 5.
    - vi. Hyper cube 1, Hyper cube 2, Hyper cube 3, Hyper cube 4, Hyper cube 5, hyper cube 6.
  11. It would be blissful to glimpse the above phenomenon of enveloping boundaries fixation within a self-referral domain in terms of sequential progression set ups of Sathapatya measuring rod of hyper cube (1), hyper cubes (1, 2), hyper cubes (1, 2, 3), hyper cubes (1, 2, 3, 4), hyper cubes (1, 2, 3, 4, 5) and hyper cubes (1, 2, 3, 4, 5 and 6).
  12. Sadhakas fulfilled with intensity of urge to know and to explore further above format settling the periodic table of elements numbering 120 shall chase above feature further.
  13. One shall chase self-referral domain as enveloped within a transcendental boundary of 12 components.
  14. Further as that, each transcendental boundary components as a transcendental domain accepts creative boundary of 10 components and that way the entire transcendental boundary that enveloped within an in terms of  $(12 \times 10 = 120)$  creative boundary components.
  15. The chase further will bring us face to face with  $(12 \times 10 \times 8) = 960$  solid boundary components.
  16. A step further, one shall be face to face with  $(12 \times 10 \times 8 \times 6) = 5760$  spatial components.
  17. A step further ahead, one would be face to face with  $(12 \times 10 \times 8 \times 6 \times 4) = 23040$  linear components.
  18. A step head, one shall face to face with  $(12 \times 10 \times 8 \times 6 \times 4 \times 2) = 46080$  boundary components of point bodies of zero space set up.
  19. The sequential chase of self-referral domain enveloping unity state origin in its compactified state shall be leading us to sequential unfolding parallel to which will emerge enveloping boundary components sequential values range as:
    - i. First transcendence step reach  $(2 \times 4 \times 6 \times 8 \times 10 \times 12 \times 14)$ .
    - ii. Second transcendence step reach  $(2 \times 4 \times 6 \times 8 \times 10 \times 12 \times 14 \times 16)$ .
    - iii. Third transcendence step reach  $(2 \times 4 \times 6 \times 8 \times 10 \times 12 \times 14 \times 16 \times 18)$ .

- iv. Fourth transcendence step reach ( $2 \times 4 \times 6 \times 8 \times 10 \times 12 \times 14 \times 16 \times 18 \times 20$ ).
  - v. Fifth transcendence step reach ( $2 \times 4 \times 6 \times 8 \times 10 \times 12 \times 14 \times 16 \times 18 \times 20 \times 22$ ).
20. This inward transcendence will be parallel to the transcendental dimensional order of 7-space in the role of unity state origin of self-referral domain.
  21. Sadhakas fulfilled with intensity of urge to know and to explore further, 6-space domain and parallel to it, 6-space mathematics, shall glimpse and imbibe the features of above sequential expanding range of coordinates need for fixation of sequential enveloping boundary along the parallel sequential formats of Sathapatya measuring rod.
  22. With glimpse and imbibing the values, one shall be acquiring perfection of intelligence for chasing existence phenomenon of our solar universe with in frames, up-till the limit of the frame.
  23. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe the limitation of enveloping boundaries, as the same, always have to be of order of one degree less than that of the order of the domain.
  24. It is this feature, which deserves to be comprehended well as to have full chase of self-referral domain, the chase is to be as of sequential progression values of the domain folds of the Sathapatya measuring rod synthesized by hyper cubes 1 to 6.
  25. This is the reach of systems chasing domains fold in their sealed state.
  26. Domain fold in sealed state is of different values set up then that of domain fold in unsealed state as during that state domain fold dis-integrates and comes in the role of components set up. ■

### LESSON-54 MATHEMATICS OF SELF- REFERRAL DOMAIN IN SEALED STATE

1. Domain fold in sealed state is having two folds frames, firstly of enveloping boundary and secondly of its dimensional frame with the origin of the dimensional frame superimposed upon the origin of the domain and there by origin standing sealed.
2. Sealed self-referral domain is enveloped within a transcendental boundary and creative dimensional frame of transcendental origin superimposed upon the unity state origin of transcendental dimensional order.
3. Within sealed framed self-referral domain, creative and transcendental envelops simultaneously manifests.
4. This simultaneous manifestation of creative and transcendental envelop of self-referral domain constitutions (point body of 6-space content lump) gets equipped with a structural format of  $10 \times 12 = 120$  creative components.
5. These 120 creative components, as a domain, lead to  $(120 - 2) = 118$  as a

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value of dimension fold for such domain fold of value 120.

6. Value 118 permits re-organization as  $(2 + 5 + 12 + 29 + 70)$ , which is parallel to domain split spectrum of dimensional domain at 6 sequential splits.
7. One may have a pause here and take note that the self-referral values range  $(1, 2, 5, 12, 29, 70)$  is the range of split for dimension fold in its original state being of single entities, and the same at first split becomes a pair of entities, and second split of 5 entities, third split as of 12 entities, at fourth split as of 29 entities and at fifth split as of 70 entities.
8. A step head, with a self-referral domain, free of its full transcendental enveloping as 13<sup>th</sup> versions of hyper cube 6 parallel to 13<sup>th</sup> geometry of 6-space give rise to domain split spectrum of 169 components.
9. It would be blissful to take note that value 169 accepts organization as  $169 = 13 \times 13$ .
10. Further 3 digit set up  $(1, 6, 9)$ , sequentially leads to value pair  $(1+6 = 7, 1+6+9 = 16)$ .
11. One may have a pause here and take note that above organization features will help us to be face to face with the organization of 16 letters of the text of Ganita Sutra 1 being  $16 = 9+7$ .
12. One may have a pause here and take note that value 120 also accepts re-organization as  $120 = (16 + 7 + 7 + 10 + 16 + 17 + 18 + 19 + 20)$  which brings us face to face with the 120 years cycle of 9 planet (including sun) being of cycles of  $(6, 7, 7, 10, 16, 17, 18, 19, 20)$  years.
13. One shall have a pause here and have a fresh look at above organization.
14. It brings us face to face with a transcendence range  $(16, 17, 18, 19, 20)$  of summation value 90 which accepts re-organization as  $90 = 6 \times 15$ , a value of 6-space origin of a solid dimensional frame of 5 dimensions of the transcendental domain.
15. Further as that the transcendence range  $(16, 17, 18, 19, 20)$  becomes a translation path for 4 folds manifestation layers  $(16, 17, 18, 19)$  for its transition and transformation, during translation into next order four folds manifestation layers  $(17, 18, 19, 20)$ .
16. One may have a pause here and take note that the origin release state of transcendental domain leads to format of a values triple  $(5, 6, 5)$  of summation value  $(5+6+5) = 16$ , which as a dimensional order creates a four folds manifestation layer  $(16, 17, 18, 19)$  of summation value 70 and consequentially being the fifth stage of domain split spectrum, it results into extensions of four folds manifestation layers into five folds transcendence range  $(16, 17, 18, 19, 20)$ .
17. It would further be blissful to take note that 6-space in the role of boundary of 7-space, it becomes a set up of  $7+7 = 14$  components and 7-space is of a transcendental dimensional order with the feature that transcendental domain accepts

enveloping in terms of 10 creative components.

18. Further as that, creative boundary of transcendental domain gets fixed in terms of  $4 \times 5 = 20$  coordinates.
19. Still further as that  $(6+7+6) = 20$ .
20. One shall sit comfortably and permit the transcending to re-glimpse and to imbibe the values of the organization of 120 years cycle as of 9 planets (including sun) as of (6, 7, 7, 10) and (16, 17, 18, 19) + (20) years cycles
21. It would be a blissful exercise to re-visit simultaneous creative and transcendental enveloping for constitutions of self-referral domain.
22. Further one shall also fully glimpse and to completely imbibe the domain split spectrum up-till 6<sup>th</sup> phase and stage of the split.
23. Still further one shall also to fully glimpse and to completely imbibe the 120 years cycle of 9 planets (including sun).
24. One shall revisit the above all phenomenon happening within self-referral domain as an integrated phenomenon.
25. Still further, one shall also re-visit and to fully glimpse and to completely imbibe the phenomenon of transcendental range dividing a format for translation of manifested creation of four fold of its transition and transformation into next order manifested creation of 4 folds.
26. It would be blissful to avail this transition and transformation format for the creative order manifestation creation (4, 5, 6, 7) into transcendental order manifested creation (5, 6, 7, 8).
27. A step head, one may chase creative order transcendence range (4, 5, 6, 7) into transcendental order transcendence range (5, 6, 7, 8, 9) along the self-referral range format of Sathapatya measuring rod synthesized by hyper cube 1 to 6.
28. It would be blissful to take note that the translation path for transitions and transformations of given order manifested creation into next order manifestation creation, brings to focus the transition and transformation happening during dynamic state of domain.
29. It is this feature of dynamic state domain which deserves to be comprehended well.
30. A sealed framed domain, in a static state and in a dynamic state deserves to be chased distinctively.
31. The transition and transformation taking place within static state domain, is of lesser degree of dimensional creations than that of the happening during dynamic state of the domain, it may be said that the static state transition and transformation is happening within the domain while a dynamic state is happening within the outer space. ■

## LESSON-55

### DYNAMIC STATE SELF-REFERRAL DOMAIN

1. Self-referral domain is a 6-space domain.
2. Dynamic state self-referral domain is availing a degree of freedom of motion within 7-space.

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3. Dimensional frame of 6-space is of a creative dimensional order.
4. 6 creative dimensions constitute dimensional frame of 6-space.
5. Creative dimensional frame of 6-space as 7-space as its origin.
6. This leads to a value  $(4 \times 6 + 5) = 29$  as the value of creative dimensional frame including its transcendental origin.
7. 5-space as origin of creative dimensional frame and 7-space as origin of self-referral domain get coordinated along the format dimension, domain parallel to it, get coordinated values pairs (29, 31).
8. One may have a pause here and take note that value 29 is parallel to transcendental code value 29 of formulation Brahma the Over Lord of Creator's space.
9. Value 31 is parallel to synthesis value of a pair of linear order transcendence ranges (1, 2, 3, 4, 5) and (1, 2, 3, 4, 5).
10. Self-referral domain in its dynamic state, is within 7-space availing translation path of unity state range of 7 steps.
11. As such, during this translation their happen a transition and transformation for a self-referral domain of a given order into self-referral domain of next order.
12. One may have a pause here and take note that, within self-referral domain, taking it to be a static state self-referral domain their happen a transition for a given order transcendence range into next order transcendence range.
13. One may have a pause here and take note that during dynamic state self-referral domain, the translation within domain will continue to happen.
14. That way, there would be simultaneously happening, translation within self-referral domain, as well as because of the dynamic state of self-referral domain in outside space providing unity state translation path.
15. One shall sit comfortably and permits the transcending mind to have simultaneous comprehension for translation happening within self-referral domain as a static state phenomenon) and in outside, as a dynamic state phenomenon.
16. These values of 6-space mathematics are of great applied value.
17. Further the simultaneous translation of a pair of self-referral domains in outside space, makes another features of 6-space mathematics.
18. Pair of self-referral domains has a connected pair of self-referral domains will brings us face to face with the format of 7 geometries range, of which 6 would be of negative signature while another 6 would be of positive signature and in addition there would be a geometry of zero signature as well as the coordination path for both limb of positive and negative signature geometries.
19. A step head, coordination of triple self-referral domains as a range of value 19 of organization  $19 = (3 \times 6 + 1)$  shall be making a set up of 3 limbs of value 6 each, accepting coordination to the single bond of value zero which accepts its



unfolding as of triple value format (-0, 0, +0).

20. This organization also can be availed as a set up of a 3 dimensional frame of half dimensions.
21. Sadhakas fulfilled with intensity of urge to know and to explore further shall visit self-referral domain with one of its transcendental boundary components being absent.
22. This may be viewed as a self-referral domain with a transcendental window.
23. The coordination of a pair of self-referral domains, each with a transcendental window will make a very rich domain of applied values of 6-space mathematics.
24. This as a static state transcendental domain coordination, and as of a dynamic state self-referral domain phenomenon is going to be of different features and values of 6-space mathematics.
25. One shall glimpse a self-referral domain with a single, double and more number of transcendental windows.
26. Further one shall glimpse a self-referral domain with a pair of transcendental window at different placement of the seats of 12 boundary components.
27. Likewise the chase can be for the self-referral domain of triple and quadruple and higher number of transcendental windows.
28. It would be blissful to take note that hyper cube 6 accepts different versions in reference to presence or absence of its boundary components
29. Likewise, is the parallel range of geometries of different signature of 6-space.
30. With it, (i) Different signature of 6-space, (ii) Different versions of hyper cube 6 and (iii) Self-referral domain with different number of transcendental windows get connected as same deserve to be chased simultaneously.
31. It would be a very blissful exercise to glimpse above features for static state and dynamic state connected self-referral domains.
32. Sadhakas fulfilled with intensity of urge to know and to explore further shall also glimpse the self-referral domain with unsealed origin permitting transcendence.
33. Further it also shall be glimpsed as that self-referral domain is also free of the restriction of its transcendental boundary.
34. With it, a very rich domain of values of 6-space content will come into play and same as to be deserves to be glimpse and to chased for full insight and complete enlightenment above this phenomenon.
35. It would be blissful to consolidate the chased steps as number: (i) State self-referral domain (ii) Dynamic state self-referral domain (iii) Self-referral domain permitting transcendence at its origin (iv) Self-referral domain free of its transcendental boundary (v) Connected pair of self-referral domains and the interrelated coordination features of the format of geometries, versions and of transcendental windows.

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36. One shall update one's dictionary with elaborative evaluation expression about all these phenomenon of 6-space domain and parallel to it of 6-space mathematics domain. ■

### LESSON-56 CONSTITUTIONS OF SELF- REFERRAL DOMAIN

1. Constitutions of self-referral domains are the point value 6-space domains.
2. Constitution of 6-space domain is a 6-space content lump as its zero value.
3. Being a 6-space content lump, its simultaneously accepts creative and transcendental enveloping and their by making it a set up of 120 creative components.
4. 6-space domain, as such becomes a universe of 6-space contents lumps of zero value.
5. This universe of constitutions accepts features and values of 6-space and of 6-space contents.
6. The organization format of 6-space content being of Sathapatya measuring rod of creative measure, as such the self-referral values of this organization shall be making the discipline of 6-space Mathematics, Science & Technology.
7. 6-space mathematics will be the basis base mathematics of 6-space Mathematics, Science & Technology.
8. The processing format of 6-space VMS & T is going to be of the values of Divya Ganga Parvaha through artifices of components of sole syllable Om.
9. Sequential chase steps are going to as (i) Bindu Sarovar (point reservoir), (ii) Ardh Matra (half measure), (iii) Tri Pundram (pair of monads synthesizing tri-monad), (iv) Swastik Pada (quarter by quarter chase), (v) Pushpika (creative domain with transcendental origin), (vi) transcendence from Bindu Sarovar to Pushpika and (vii) ascendance from transcendental origin to Bindu Sarovar.
10. Each constitution being a full domain is the feature which makes chase systems of self-referral features one of the values of self-referral processing feature is of creative order making available a pair of units (2 as 1 and 1 as 2) with  $(1/2)$  as the working unit.
11. The other feature of self-referral processing systems is that a pair of monads synthesis as tri-monads.
12. Another feature of self-referral processing systems, comes to be to have chase 'quarter by quarter' and 3 quarter will be their own manifests 4<sup>th</sup> quarter.
13. It is this sufficiency of 3 quarter chase for full four quarter set up which helps transcend creative manifestation for a reach at transcendental format.
14. Ganita Sutra 1 working rule: 'one more than before is preserving this transcendental phenomenon as that the reach at creative manifestation of four folds, of its own, shall be leading to transcendental format of 5 folds set ups being of solid dimensional order.

15. It is this feature which deserves to be comprehended well for its full appreciation for its complete imbibing to acquire proper insight and to attain appropriate enlightenment about the transcendental format reach for creative manifestation.
16. One may have a pause here and take note that the virtue of this value of reach from four folds creative manifestation to there transcendental format of solid order in terms of quarter by quarter chase with 3 quarters coverage, of its own manifests 4<sup>th</sup> quarter, deserves to be comprehended well and to be thoroughly imbibed.
17. Reach of 3 quarters making 4<sup>th</sup> quarter as well having a reach at implies that in quarters range, will be attaining next order reach in terms of only (N-1) steps coverage.
18. Let us revisit above feature again.
19. Spatial order reach is of four steps.
20. Solid order reach, can be had in 3 steps.
21. Let us revisit this feature again.
22. 2-space has boundary of 4 components but the origin of 2-space is 3-space.
23. A spatial order is accepting linear order origin.
24. It would be blissful to take note that to reach at value  $n^2$ , we have to reach at the middle of the range by having sequential reach (1, 2, 3, 4, ..., N) and there after the progression is to be as (N-1, N-2, ...).
25. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe above features.
26. It would be blissful to take note that 7 edges are sufficient to coordinate all the 8 corner points of cube, while one the other hand 6 surfaces as well coordinate all the corner points of the cube.
27. It would be blissful to take note that 'N' space as (N-1) order origin as (N+1) domain.
28. One shall sit comfortably and permit the transcending mind to glimpse that while we reach from 'N' domain to (N+1) domain, in fact we are reaching from 'N' domain to (N-1) dimensions.
29. It is this format feature value which deserves to be comprehended well and to imbibed fully for its complete appreciation to have proper insight and appropriate enlightenment about this phenomenon.
30. Here in the context, it would also be relevant to take note that pairing of orientations as values (+1, -1) it is taking us to format (domain, dimension).
31. (+1) as domain and (-1) as dimension and simultaneously as that (+1, -1) constitute a reflection pair, and still further as that these lead to (domain, dimension) format, deserves to be comprehended well.
32. These features will make linear sequencing formatting for constitutions as points making a line.
33. This sequential formatting of zero value bodies as points making a line as organization tool for a reach from constitutions as points are structured points, Bindu Sarovar / point reservoir of structures to

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domain, deserves to be comprehended well.

34. Point body of 6-space formatting a line, so formatted line further formatting a surface and such formatted surface formatting solids and such solids formatting hyper solids (4, 5, 6) make a blissful chase within self-referral domain itself.
35. It would lead to re-manifestation of 6-space domain within a 6-space domain itself.
36. Degree of freedom of motion for transcendental domain within self-referral domain deserves to be chased.
37. Simultaneous existence phenomenon of transcendental domain and of self-referral domain within a self-referral domain makes a very blissful chase.
38. Different roles of 5-space domain and of 6-space domain getting coordinating make a phenomenon whose chase is going to be of a real bliss of the existence phenomenon of our solar universe.
39. It brings us face to face with Lord Shiv, transcendental Lord meditating upon lord Vishnu, the over Lord of self-referral domain. And, self-referral Lord Vishnu meditating upon transcendental Lord, is a self-referral transcendental order and at the same time, it also being the transcendental self-referral order.



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**IDOL OF LORD BRAHMA AND  
IDOL OF LORD SHIV**

This day the course focus is upon ‘Idol of Lord Brahma and Idol of Lord Shiv’. It four folds aspects being taken up are as follows:

- 81. Transcendental Lord.
- 82. Idol of Lord Brahma and Idol of Lord Shiv.
- 83. Creative domain goes transcendental.
- 84. Glimpsing and imbibing of value of self-referral domain from the transcendental base.

The values being covered are to be taught as lessons numbers 57 to 60 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-57  
TRANSCENDENTAL LORD**

- 1. Lord Shiv is the transcendental lord.
- 2. Scripture preserve Idol of Lord Shiv as the values source reservoir of transcendental format, features, values and virtues of transcendental domain (5-space domain).
- 3. 5-space content manifests as domain fold of hyper cube 5 along four folds creation format of feature of Idol of Lord Brahma.
- 4. Different roles being play by the dimensional fold of hyper cube 5, amongst others are as dimension fold, boundary fold, domain fold, origin fold and base fold.
- 5. These roles of 5-space are intimately coordinating with the parallel roles

of 6-space as dimension fold, boundary fold, domain fold, origin fold, base fold and format fold.

- 6. It would be blissful to glimpse and to chase coordination of artifices of numbers values pairs (5, 6) parallel to it, will make a blissful chase for coordinating roles of 5-space and 6-space domains.
- 7. One may have a pause here and to glimpse and imbibe the coordination of 5-space domain and 6-space domain and same to be chased as these stand accommodated along the organization format of 6x6 grid:

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>

- 8. Let us revisit the above organization and have a pointed focus upon:
  - i. 5-space as base and 6-space as format.
  - ii. 5-space as origin and 6-space as base.
  - iii. 5-space as domain and 6-space origin.
  - iv. 5-space as boundary and 6-space as domain.
  - v. 5-space as dimension and 6-space as boundary.
  - vi. 5-space as dimension and 6-space as dimension.
- 9. One shall further glimpse the coordination as:
  - i. 6-space as format, 5-space as format.
  - ii. 6-space as format, 5-space as base.

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- iii. 6-space as base, 5-space as origin.
  - iv. 6-space as origin, 5-space as domain.
  - v. 6-space as domain, 5-space as boundary.
  - vi. 6-space as boundary, 5-space as dimension.
10. These 6 folds relationship permit expression along 6x6 grid as under:
- |           |           |          |          |          |          |
|-----------|-----------|----------|----------|----------|----------|
| <b>6</b>  | <b>5</b>  | <b>4</b> | <b>3</b> | <b>2</b> | <b>1</b> |
| <b>7</b>  | <b>6</b>  | <b>5</b> | <b>4</b> | <b>3</b> | <b>2</b> |
| <b>8</b>  | <b>7</b>  | <b>6</b> | <b>5</b> | <b>4</b> | <b>3</b> |
| <b>9</b>  | <b>8</b>  | <b>7</b> | <b>6</b> | <b>5</b> | <b>4</b> |
| <b>10</b> | <b>9</b>  | <b>8</b> | <b>7</b> | <b>6</b> | <b>5</b> |
| <b>11</b> | <b>10</b> | <b>9</b> | <b>8</b> | <b>7</b> | <b>6</b> |
11. The above coordination deserves to be chased within 6-space domain, and also within 6-space domain which itself is within 6-space domain.
  12. To have proper comprehension of above coordination relationship of (5, 6) and of (6, 5), it would be desirable that the organization of rows and columns of above both grids deserve to be taken up 1 by 1 for their distinct format features values.
  13. The row (1, 2, 3, 4, 5, 6) is of linear order 3-space set up with 5-space as base and 6-space as format.
  14. The row (2, 3, 4, 5, 6, 7) is of spatial order 4-space set up with 5-space as origin and 6-space as base.
  15. The row (3, 4, 5, 6, 7, 8) is of solid order 5-space set up with 5-space as domain and 6-space as origin.
  16. The row (4, 5, 6, 7, 8, 9) is of creative order 6-space set up with 5-space as boundary and 6-space as domain.
  17. The row (5, 6, 7, 8, 9, 10) is of transcendental order 7-space set up with 5-space as dimension and 6-space as boundary.
  18. One may have a pause here and take note that the row (6, 7, 8, 9, 10, 11) is of self-referral dimensional order and 5-space here is in un-manifests form as constitutions points of re-manifestation stage of dimensional order.
  19. Here, it would also relevant to take note that in the above grid 5-space and 6-space both marks their presence in column 1 as of transcendental dimensional order and of self-referral dimensional order.
  20. Now, let us revisit the above second grid. The first row coordinate values pairs (6, 5) in decreasing sequential order of reach back from 6-space format to 5-space base.
  21. Likewise, one may chase the coordination of 5-space and 6-space in their respective role in second onwards rows.
  22. One shall sit comfortably and permit the transcending mind to glimpse the format features, values and virtues of Idol of transcendental Lord.
  23. Within the heart of transcendental Lord is the seat of self-referral Lord Vishnu, the over Lord of 6-space.
  24. Transcendental Lord Shiv meditates upon self-referral lord Vishnu and with the grace of Lord Vishnu, transcendental Lord Shiv multiplies as Dwadsh twelve adityas (suns).
  25. One may have a pause here and take note that 5-space plays the role of boundary of 6-space.

26. Further as that, transcendental boundary (5-space boundary) of self-referral domain (6-space domain) is of 12 components.
27. A step ahead, 5-space plays the role of dimension of 7-space while 7-space plays the role of origin of 6-space.
28. One shall sit comfortably and permit the transcending mind to glimpse and chase the way the transcendental lord multiplies transcendental domain 12 folds with the grace of self-referral lord Vishnu.
29. The simultaneous role as transcendental boundary of self-referral domain and also as transcendental dimensional order of unity state origin of self-referral domain.
30. This simultaneous manifestation of a pair of roles as boundary and as dimensional order of the origin of self-referral domain deserves to be comprehended well for its complete imbibing to acquire proper insight and to attain proper enlightenment about this phenomenon.
31. One may have a pause here and take note that in case of unity state space (7-space, 6-space plays the role of boundary as well as of dimensional order of origin of 7-space.
32. In general N-space plays the role of boundary of (N+1) space and N-space also plays the role of dimension of origin of (N+1) space.
33. This, this way brings to focus the relationship (N and N+1) space and also as to the pair of roles of N space as boundary fold and also as dimensional order of N+1 space.

This relationship deserves to be comprehended well to acquire proper insight for interrelationship of 5-space and 6-space, in-particular. ■

### LESSON-58 IDOL OF LORD BRAHMA AND IDOL OF LORD SHIV

1. Sadhakas fulfilled with intensity of urge to acquire proper insight and appropriate enlightenment about 6-space VMS & T shall sit comfortably and to glimpse and imbibe the format features and values of Idol of Lord Brahma and of Idol of Lord Shiv.
2. Within cavity of heart of Lord Braham is the seat of transcendental Lord Shiv.
3. Within cavity of heart of transcendental Lord Shiv is the seat of self-referral lord Vishnu.
4. Lord Brahma transcendence with in cavity of his own heart, and with the grace of transcendental Lord Shiv, Lord Brahma multiplies ten folds.
5. Transcendental Lord Shiv meditates within cavity of his own heart, and with the grace of self-referral lord Vishnu, transcendental domain presided by Lord Shiv is multiplies 12 folds.
6. One shall have a pause here and to glimpse and imbibe this sequential feature of 4-space domain multiplying ten folds and 5-space domain multiplying 10 folds.
7. One shall further glimpse and imbibe the emerging sequential feature as that 4-space transits and transforms from the role of 4-space as domain to 4-space as boundary, and 5-space

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transits and transforms from the role of 5-space as domain to 5-space as boundary.

8. This pair of transition and transformation steps, makes a sequence of organization (4-space, 5-space, 6-space, 7-space, 8-space ...).
9. Idol of Lord Brahma leads to format features parallel to that of hyper cube 4.
10. Likewise format feature of Idol of Lord Brahma lead to parallel feature of hyper cube 5.
11. These features are of 4 folds format these four folds in respect of Idol of Lord Brahma (hyper cube 4) are parallel to quadruples values (2, 3, 4, 5).
12. Likewise feature of Lord Brahm / hyper cube 5 are parallel to quadruple artifices (3, 4, 5, 6). These together lead to 5 folds transcendence range (2, 3, 4, 5, 6).
13. A reach from a pair of quadruples value (2, 3, 4, 5) and (3, 4, 5, 6) into transcendence range (2, 3, 4, 5, 6), at next steps lead to a pair of transcendence ranges leading to a self-referral range.
14. It would be blissful exercise to glimpse and imbibe the format feature of Murti of Lord Vishnu. Murti and Lord Vishnu of format feature value parallel to that of hyper cube 6 of four folds manifestation layers (4, 5, 6, 7) parallel to quadruples value (4, 5, 6, 7).
15. Sadhakas fulfilled with intensity of urge and to know and to explore further shall glimpse and imbibe the values of transcendental code value 30 of formulation Samhita and to initiate himself for glimpsing and imbibing the values of Idols of Lord Brahma, Lord Shiv and lord Vishnu as Trimurti with formulation Trimurti accepting transcendental code value 30 parallel to Samhita.
16. It would be blissful to take note that value 30 accepts re-organization as  $30 = (6+7+8+9)$ , which lead to quadruple (6, 7, 8, 9) of four folds manifestation layer (6, 7, 8, 9) of hyper cube 8 of self-referral dimensional order.
17. Tri-loki to Tri-murti is a range (3, 4, 5, 6) further in-terms of transcendental code value 24 of formulation Tri-loki and value 30 of Tri-Murti leads to 7 steps long range (24, 25, 26, 27, 28, 29, 30).
18. One may have a pause here and take note that values pairs (24, 30) accepts re-organization as  $(6 \times 4, 6 \times 5)$ .
19. One may have a pause here and take note that value  $6 \times 4$  is parallel to the value of creative dimensional frame of 6 dimensions, while value  $(6 \times 5)$  is parallel to dimensional value of dimensional frame of 6 dimensions of transcendental order.
20. One may have a pause here and take note that this makes a pair of end values of transition and transformation range for creative order to the transcendental order along and within dimensional frame of 6-space.
21. One shall fully glimpse and completely imbibe these features to acquire proper insight and appropriate enlightenment about this phenomenon.



22. In general  $[(N+2) \times N]$ ,  $(N+2) \times (N+1)$  makes a pair of ends point of the transition and transformation of  $N$  dimensional order into  $(N+1)$  dimensional order for  $(N+2)$  space.
23. It would be a blissful exercise to have a sequential chase for transition and transformations for the dimensional order of respective dimensional spaces particularly for (3, 4, 5, 6 spaces) being of linear, spatial, solid and creative order, transiting and transforming the organization of spatial, solid, creative and transcendental orders.
24. With it, the central focus of chase of Vedic Mathematics, Science & Technology remain upon (Tri-loki and Tri-murti) organization format.
25. Parallel spaces (3-space, 4-space, 5-space, 6-space) as four folds make the format of hyper cube 5, the representative regular body of 5-space, hence the whole chase attainment comes to be of transcendence format for the manifested creation format.
26. Accordingly, the ultimate processing technique culminates as a technique of transcendence from the manifested creation format for a reach at the transcendental base.
27. One may have a pause here and take note that it is this format feature value which is preserve and end is focus as that Lord Brahma meditate cavity of his own heart and with the grace of transcendental Lord Shiv, Lord Brahma is multiplies as ten Brahmas.
28. Further as that, transcendental Lord Shiv meditates within cavity of his own heart where is the seat of self-referral Lord Vishnu, and with the grace of self-referral lord Vishnu, the transcendental domain presided by lord Shiv is multiplied by 12 folds.
29. Sadhakas fulfilled with intensity of urge to know and to explore further shall continue following the transcendental meditation path and be blessed with full enlightenment of Vedic knowledge. ■

### LESSON-59 CREATIVE DOMAIN GOES TRANSCENDENTAL

1. Self-referral domain (6-space domain) is of creative (4-space) order.
2. Creative order (4-space in the role of dimension), hyper cube in dynamic state, and creative domain getting fulfilled with transcendental grace, all the features whose values deserve to be comprehended well for their proper appreciation to have complete insight above this phenomenon of: 'creative domain goes transcendental'.
3. Creative domain is of a spatial order, solid boundary and transcendental origin.
4. Transcendental origin itself is of a solid order (3-space in the role of dimension of 5-space).
5. Transcendence upward from within transcendental origin gets superimposed of spatial order within creative domain.
6. This superimposition makes a set up of a paired spatial and solid order.
7. One may have a pause here and take note that the upward transcendence

## Transcendental content

from within origin fold of solid order within creative domain, and through it up-till solid boundary of creative domain is the transcendence phenomenon through manifestation domain and same deserves to be comprehended well for its proper appreciation to have complete insight about it.

8. Solid order, ultimately manifesting as solid boundary is the reach which deserves to be fully glimpsed and to be completely imbibe for appreciation of this feature of transcendence upward of the order of the origin fold.
9. One may have a pause here and take note that being solid order, and being solid boundary, are the pair of feature of solid domain in those roles.
10. It would be blissful to chase 3-space in the role of dimension, for its transition and transformation into the role of boundary.
11. One may have a pause here and take note that 3-space is a linear order space.
12. Further as that, 3-space as creative origin.
13. 3-space as a linear order space having spatial order origin is the feature marking its presence in the set up of hyper cube 3 as the representative regular body of 3-space.
14. One may have a pause here and take note that 3-space as domain accepts 2-space in the role of boundary as well as in the role of order of the origin.
15. One shall sit comfortably and permit the transcending mind to

continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

16. Let us have a pause here and to permit the transcending mind to continuously remain in prolonged sitting of trans and to chase upward transcendence phenomenon of solid order of origin getting superimposed upon the spatial order of creative domain, and with transcendence continuing upward through the creative domain ultimately manifests as solid order, hyper cube 3 set up.
17. It is this reach of the solid order of origin during its upward transcendence through the creative domain, which deserves to be comprehended well for its complete appreciation for its full imbibing to acquire proper insight and to attain appropriate enlightenment of this transcendence phenomenon.
18. One may further have a pause here and take note that while transcendence happening within creative domain and has a result their off, there being super-intendent of the solid order upon the spatial order it amounts to creative domain going transcendental because of solid order of the transcendental origin of creative domain.
19. This graceful happening of creative domain going transcendental brings us face to face with the format features and values of creative domain playing the role of a dimensional frame of self-referral domain.

20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
21. One may further have a pause here and take note that human frame with single head equipped with a pair eyes is the set up parallel to single dimension of creator's space.
22. Human body has manifested along the format of a dimension of creator's space, as a spatial set up shall be sequentially taking us to creator's space, which has a step ahead shall be taking to the self-referral domain and same shall be parallel bringing us face to face with linear order of solid origin of zero order spatial domain getting superimposed upon zero order.
23. And at next step, spatial order of creative origin of liner order solid domain, will amount to spatial order getting superimposed upon linear order.
24. And a step ahead, solid order will get superimposed upon spatial order.
25. And finally the creative order will get superimposed solid order.
26. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
27. One shall sit comfortably and permit the transcending mind to sequentially chase superimposition of linear order upon zero order, spatial order superimposition upon on linear order, solid order gets superimposed upon linear order and creative order getting superimposed upon solid order.
28. One shall update one's dictionary with one's own evaluation of one's comprehension and imbibing of sequential step of superimposition of n order upon (N-1) order for value of  $N = (1, 2, 3, 4)$ .
29. One shall have a comprehensive view of each step of superimposition of 'N' order upon (N-1) order as a complete phenomenon in itself.
30. Further, one shall have a comprehensive view of the happening of transcendence phenomenon of all phases of transcendental domain permitting chase along Sathapatya measuring rod synthesized by the set ups of hyper cubes 1 to 6 of orders range (-1, 0, 1, 2, 3, 4).
31. Likewise, one may have a chase for the transcendental domain (5-space domain) permitting chase in terms of its measuring rod synthesis by hyper cubes 1 to 5 of (-1, 0, 1, 2, 3) of order range.
32. One shall visit and re-visit creator's domain going transcendental and solid domain going creative domain.
33. A step ahead, transcendental domain goes self-referral.

■

**LESSON-60**  
**GLIMPSING AND IMBIBING OF**  
**VALUE OF SELF-REFERRAL**  
**DOMAIN FROM THE**  
**TRANSCENDENTAL BASE**

1. 5-space plays different roles of which one goal is as a transcendental base.
2. Glimpsing 6-space format and imbibing its value from transcendental base is a virtue for which is two transcend even from the transcendental base itself.
3. Transcendence from transcendental base for its reach up-till self-referral format would require, firstly to transcendence from origin for reach up-till base, and as a second step to transcendence further from base to format.
4. This 2 phased transcendence will avails pair of axis format of the spatial order of creator's space.
5. Chase along pair of axis of a spatial order will be phased manner, of which first step would be along first axis, while the second phase will be along the format of second axis.
6. One may have a pause here and take note that the second axis presumes the existence of first axis.
7. It is this feature which provides a spatial format for the second axis.
8. One may have a pause here and take note that the second axis with availability of spatial format for itself makes second axis as of a line format with in a plane.
9. Further the second axis being within a spatial format so it acquires features of set up a line and of surface both within a plane.
10. And it is the second axis, it will have repeated value of lines and surfaces within a surface.
11. This repeated availability of feature and values of line and surface within surface, it makes a 6 steps long processing format.
12. A chase along this format gives a reach up-till the format fold (6<sup>th</sup> fold)
13. One may have a pause here and take note that first vowel and second vowel synthesis values of 6<sup>th</sup> vowel.
14. This format feature, values deserved properly appreciated and same to be fully imbibed the other way to glimpse and imbibe self-referral domain values as base is to glimpse and imbibe the same from the origin.
15. Origin as 5-space accepts base as 6-space.
16. Still further, self-referral values as origin are to be glimpsed form transcendental domain still further self-referral values as domain are to be glimpse and imbibe while at transcendental boundary.
17. Still further, self-referral domain as boundary is to be reached at with transcendental dimensional order.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. One have a perfection of comprehension, one shall approach transcendental values from self-referral format.
20. It shall be taking us from format fold back to base fold.

21. Like that, sequentially taken reach step by step as:
    - i. 6-space format to 5-space base.
    - ii. 6-space base to 5-space origin.
    - iii. 6-space origin to 5-space domain.
    - iv. 6-space domain to 5-space boundary.
    - v. 6-space boundary to 5-space dimension.
  22. A step ahead, from 6-space dimensions to 5-space dimension.
  23. It would be a blissful exercise to have a fresh visit to above to 2 folds approach of opposite orientations from for coordination of 5-space with 6-space and the other way round the co-ordination of 6-space with 5-space.
  24. One may have a pause here and take note that the pair of orientation format is of feature dimensional, domain format of values (-1, +1) further as that dimensional plays the role of measure for the domain.
  25. With it, along dimensional the number values organize with additional operations.
  26. However, with in the domain number values organize as multiplication operations.
  27. Here, in the content, it would be relevant to take note  $(2 + 3) = 5$ ,  $(2 \times 3) = 6$ .
  28. As such the reach (5, 6) is of a feature of reach along dimensional (5) and reach along domain (6).
  29. And in the opposite orientation (6, 5) is of the feature of 6-space as domain and 5-space as dimensional of 7-space being origin of 6-space.
  30. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  31. A reach from dimensional to domain in one way to process.
  32. A reach from domain to dimensional of origin is another way to process.
  33. One shall update one's dictionary with one comprehensive of with different processing ways, and 2 consecutive steps of processing shall be specifically comprehended and to be evaluated.
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16

**NEW GENERIC GAPS COUNTS**

This day the course focus is upon 'New generic gaps counts'. It four folds aspects being taken up are as follows:

- 85. New generic gaps counts.
- 86. Parallel inward and outward expansions.
- 87. Transcendental code values formulations.
- 88. Domains range (3, 4, 5, 6, 7).

The values being covered are to be taught as lessons numbers 61 to 64 to the students of 3-space Vedic Mathematics, Science & Technology.

**LESSON-61 to 64**

Revisit the conceptual statement of this Course.

## 17

**TRANSCENDENTAL CODE  
VALUES FORMULATIONS**

This day the course focus is upon 'Transcendental code values formulations'. It four folds aspects being taken up are as follows:

89. Processing of self-referral domain from within.
90. New generic gaps counts.
91. Parallel inward and outward expansions.
92. Transcendental code values formulations.

The values being covered are to be taught as lessons numbers 65 to 68 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-65****PROCESSING OF SELF-REFERRAL  
DOMAIN FROM WITHIN**

1. The processing of self-referral domain from within is the unique technique of Vedic Mathematics, Science & Technology.
2. This is the technique of approaching N-space domain being (N-2) order superimposed upon (N-1) order of (N+1) origin.
3. As such, in respect 6-space domain of order of 4-space order and 7-space origin shall be having 5-space order upon which will be superimposed of 4-space order of 6-space.
4. The superimposition (4-space order upon 5-space order) is of the format of 4-space as boundary of 5-space.
5. Further, it is also the format of 4-space as domain and 5-space origin.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
7. It would be blissful to take note that this feature of 4-space order getting super-imposed upon 5-space order within 6-space domain is the transcendental format for the self-referral domain.
8. As such self-referral domain features and values can be given a over view from the transcendental base.
9. Sadhakas fulfilled with intensity of urge to glimpse and imbibe this over view of self-referral domain from transcendental base shall initiate oneself glimpse and imbibe a value and virtue of Vishnu Sahastranam Salotham (the scripture of one thousand formulations) glimpsed by transcendental Lord Shiv (Over Lord of transcendental base).
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
11. It would be blissful to take note that Shiv Sahastranam Salotham (the scripture of one thousand formulations of transcendental domain) as glimpsed from the self-referral format.
12. Sadhakas fulfilled with intensity of urge and to know and to explore further shall initiate one-self to have a reach for self-referral and transcendental formulations of these scriptures.

## Transcendental content

13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
14. It would further be very blissful to glimpse and imbibe the features and values of Idol of Lord Brahma and Lord Shiv. ■
15. It would be a blissful exercise to glimpse and imbibe the features and values of Murti of Lord Vishnu and of incarnation of Lord Vishnu.
16. It would be a blissful exercise to glimpse and imbibe the grace of transcendental Lord Brahma.
17. Still further, it would be a blissful exercise to glimpse and imbibe the grace of Lord Vishnu providing within the heart of Lord Shiv.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the values and virtues of grace of transcendental Lord within one's own heart during transcendental meditation, the Braham way.
20. One shall further sit comfortably and permit the transcending mind to glimpse and imbibe the features and values of self-referral grace superimposed upon transcendental grace emanating during self-referral meditation, the transcendental Lord way.
21. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

### LESSON-66

#### NEW GENERIC GAPS COUNTS

1. Values reach (1, 2, 3, 4, 5, 6) as a count sequence, leads to gaps between every pair of consecutive counts of this sequence of count.
2. The gaps of these counts make a sequence of new generic counts.
3. If the first sequence of count is as of zero space bodies (point body), then the gaps of said sequence make a new generic count of 1-space bodies.
4. Like that the counts of 1-space body, a sequence of verticals lines) the same shall be making gaps permitting 2-space body counts as a new generic count vis-à-vis 1-space body counts.
5. One may have a pause here and take note that the values sequence (1, 2, 3, 4, 5, 6 ...) of discrete with insertion of sequential values (1/2, 3/2, 5/2, 7/2 ...).
6. We shall be obtaining a continuity sequence of values (1, 3/2, 2, 5/2, 3, 7/2, 4, 9/2 ...).
7. One may further have a pause here and take note that a pair of such sequence of values as formats for a pair of axes of spatial order shall be leading us to a sequence of value (2, 3, 4, 5, 6 ...).



8. One may have a pause here and take note that they pair of value (0, 1), as such shall be accepting (1, 0) a continuity coverage in terms of triples values (1,  $\frac{1}{2}$ , 0).
9. However, in case of values pair (2, 1), the continuity coverage value triple will be (2,  $\frac{3}{2}$ , 1).
10. One may have a pause here and take note that linear order solid origin of 2-space, and spatial order creative origin of 3-space, during transcendence phenomenon within creative space of transcendental origin shall be leading to superimposition of solid order upon the spatial order and their continuity will bring in value ' $\frac{3}{2}$ ' for the pair of values (3, 2).
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. It would be blissful to take note that the synthesis of square as a set up of four quarter square shall be leading us to paired pair of structural value [(9, 6), (6, 4)].
13. One may have a pause here and take note that values pairs (9, 6), as well as value pairs (6, 4) accepts transition factor as of value ( $\frac{3}{2}$ ) in each case.
14. Now a step ahead, synthesis of 8 sub cubes as a cube shall be leading to quadruple paired pairs of structural values: [(27, 18), (18, 12)], [(18, 12), (12, 8)]
15. One may have a pause here and take note that in each of above quadruple paired pair values the transition factor happens to be of value ( $\frac{3}{2}$ ).
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
17. One shall revisit the above synthesis feature of squares and cubes and parallel phenomenon of superimposition of solid order upon spatial order.
18. One shall glimpse and imbibe above phenomenon fully for its complete appreciation and to acquire proper insight and to attain appropriate enlightenment about this para. ■

### LESSON-67

#### PARALLEL INWARD AND OUTWARD EXPANSIONS

1. To have comprehensive view of a dimensional domain as a manifested domain fold, one shall simultaneously chase the outward expansion with the strip off of boundary component, and further inward transcendence of order of the origin.
2. Self-referral domain has a transcendental boundary and a unity state origin of transcendental order.
3. Strip off, at transcendental boundary, is of one by one component of 7 components range along the transcendental range of 5 components.

## Transcendental content

4. Transcendence at the unity state origin is along the dimensional frame of 7 dimensions of transcendental order.
5. One may have a pause here and take note that, the strip off at the transcendental boundary, and transcendence through unity state origin, are of dimensional frame of 7 dimensions of 5-space order. It makes a parallel outward and inward expansion for the self-referral domain.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
7. One may further have a pause here and take note that here in case of self-referral domain, the outward and inward expansion is of unity state (7-space).
8. One may have a pause here and take note that this organization becomes a triples values format (7, 6, 7) of summation value  $(7+6+7) = 20$ .
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. It would be blissful to take note that in general outward and inward expansion for n-space domain shall be leading to triple values format (N+1, N, N+1) of summation value  $(3N+2)$ .
11. It would be a blissful exercise to sequentially chase above parallel outward and inward expansion phenomenon for  $N = (0, 1, 2, 3, 4, 5, 6, 7 \dots)$ .
12. It would be blissful to take note that the outward expansion will be of value  $(7 \times 5) = 35$  parallel to the value of dimensional frame of unity state (7-space).
13. Likewise, the value of inward expansion would  $(7 \times 5) = 35$ .
14. This shall be leading us to combined expansion value for outward expansion as well as inward expansion as  $(35 + 35) = 70$ .
15. It would be a blissful exercise to chase domain split spectrum which at its 5<sup>th</sup> split is of 70 entities set up.
16. Further, it would be blissful to note that:  
**NVF (stop) = 70** ■

### LESSON-68 TRANSCENDENTAL CODE VALUES FORMULATIONS

1. Devnagri letters accepts transcendental code values.
2. As such, words compositions availing Devnagri alphabet letters make these compositions being the transcendental code values formulations.
3. These summation value of transcendental code value of individual letters availed by the composition become the transcendental code value of the word itself.
4. These transcendental code values of the letters and words permit their chase along the Sathapatya measuring rod along the transcendental carrier path settle by the Sathapatya measuring rod.

5. The internal organization of these values takes to the parallel geometric format.
6. And as such, the organization format features of Sathapatya measuring rod itself and of its constituents (hyper cubes).
7. As the hyper cube set up is of a four folds manifestation layer (dimension, fold, boundary fold, domain fold and origin fold) of four consecutive dimensional spaces contents manifesting as domain folds and playing their respective roles as dimensional fold, boundary fold, re-manifestation and origin fold, as such the transcendental code values deserve to be chased in the context of said folds.
8. One may have a pause here and take note that the transcendental code values accepted by individual letter of Devnagri alphabet further acquire format features as per the placement of individual letters in the Devnagri alphabet format.
9. Devnagri alphabet format is five folds.
10. First fold is of 9 vowels organize as sequential dimensional frames of 1-space to 9-space.
11. Second fold consist of 5x5 Vargas consonant organize as five rows and five column with first column being of the format of sequential dimensional order, second column being of the format of sequential boundary fold, 3<sup>rd</sup> column being sequential domains, 4<sup>th</sup> column being of sequential origins and fifth column being of sequential base fold.
12. 3<sup>rd</sup> fold is four Anth-Satha letters manifesting sequential boundary fold while the organization steps of first to fourth are as dimension, domain, domain playing role of dimension and reaching at its domain, and likewise being the step ahead these four letters as quadruples (1, 3, 5, 7) being there transcendental code values are sequentially of the format of (1, 3) / 1-space as dimension, 3-space as domain); (3, 5) / 3-space as dimension, 5-space as domain); (5, 7) / 5-space as dimension, 7-space as domain).
13. One may have a pause here and take note that this progression is happening at the boundary fold of hyper cubes.
14. 4<sup>th</sup> fold is of four Ushmana letters of transcendental code values (2, 3, 6, 9) which are of the format feature of upward transcendence from spatial order format of 4-space into linear order 3-space domain and as a result, spatial order gets superimposed upon the linear order which manifests solid order at the same ahead gets superimposed upon the self-referral order.
15. One may have a pause here and take note that solid order of transcendental domain completes the reach as self-referral origin.
16. There after the reach for the self-referral order is up-till Brahman origin.
17. One may have a pause here and take note that solid order create transcendental format (3, 4, 5 6) and further the self-referral order creates Brahman reach (6, 7, 8, 9).

## Transcendental content

18. Fifth fold of Devnagri alphabet is constitute by eight Yama letters of transcendental code values range (9, 10, 11, 12, 13, 14, 15, 16).
19. This fold settles the transcendental origin of creator's space enveloped with solid boundary of 8 components and their by it becomes the eternal format of parallel outward and inward expansions.'
20. These geometric format of the placements of individual letters along Devnagri alphabet format together with their transcendental code value, bring us face to face with internal organization of the words formulations availing Devnagri alphabet letters.
21. Sadhakas fulfilled with intensity of urge to know and to explore shall update their dictionary while making entries of word formulation with detail notes about their transcendental code values and internal organizations.
22. One shall make as large number of entries, as one can.
23. A step ahead, Sadhakas fulfilled with intensity of urge to know and to explore further shall chase these formulations, structure wise.
24. It would be blissful to chase scripture specifically devoted to specific discipline like 'Sri Shiv Puran and Sri Vishnu Puran'.
25. Sadhakas fulfilled with intensity of urge to know and to explore further shall initiate themselves for the enlightenment of scripture of Samhita.
26. Shakala Rig Ved Samhita is the source scripture.
27. One shall evaluate one's comprehension of bases base mathematics of organization of knowledge as per the organization format of Shakala Rig Ved Samhita.
28. Shakala Rig Ved Samhita is the source Scripture.
29. It has reach intect from its first syllable to its last syllable and same is preserved it.
30. This scripture is organize as 10 Mandal, 8 Ashtaks, 64 Adhayas, 85 Anuvaks, 1028 Suktas, 2024 Vargas, 10552 Richas and 432000 Akshras of which 34735 are in un-manifests form.
31. One shall aspire while to glimpse and to imbibe these organization features of Shakala Rig Ved Samhita to acquire proper insight and to attain appropriate enlightenment about this scripture.
32. This insight and enlightenment will be taking us to bases base Vedic Mathematics in terms of whose values, the whole some single Ved stands organized as four Vedas. ■

## 18

**DOMAINS RANGE (3, 4, 5, 6, 7)**

This day the course focus is upon 'Domains range (3, 4, 5, 6, 7)'. It four folds aspects being taken up are as follows:

93. Domains range (3, 4, 5, 6, 7).
94. Transcendence core of our solar universe.
95. Synthesis of dimensions of same order and of sequential organization of dimensional frames.
96. Divya Dravya (Transcendental content).

The values being covered are to be taught as lessons numbers 69 to 72 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-69****DOMAINS RANGE (3, 4, 5, 6, 7)**

1. Devnagri alphabet specifically avails domain ranges (3, 4, 5, 6, 7).
2. This brings us face to face with 3-space content lump to 7-space content lump.
3. These, a step ahead, take us to domain folds of hyper cubes 3 to 7 respectively.
4. This range as in sequential roles as (3-space as dimension, 4-space as boundary, 5-space as domain, 6-space as origin, 7-space as base) leads to re-manifestation of 5-space content within 5-space domain.
5. With it, hyper cube 5 format becomes the bases base of Devnagri alphabet format.
6. With it, the prime focus of transcendental code values

formulations, come to be the transcendental domain (5-space) domain.

7. Further be with it, 5-space Vedic Mathematics, Science & Technology becomes the core of whole range of values of our existence phenomenon of the feature of transcendence permissible from the manifested creations.
8. With it, parallel to 5-space, number value 5 becomes the core of values.
9. 5-space accepts enveloping by 4-space / creator's space, and a result their of hyper cube 5 accepts a creative boundary of 10 components which makes a format for ten place value systems
10. With it, ten place values system become the basic place value system of Vedic organization of knowledge.
11. One may have a pause here and take note that value 10 accepts re-organization as (4 x 6) and parallel to it the 4x6 grid accommodates all the 24 double digit number of 5 place value system.
12. One may further have a pause here and take note that  $4 \times 6 = 24$  as value is parallel to dimensional value of self-referral dimensional frame (6-space frame) of 6 creative dimensions (4-space as dimension).
13. One may further have a pause here and take note that transcendental code value of formulation **Pursha** is '24'.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

## Transcendental content

15. Sadhakas fulfilled with intensity of urge to know and to explore further shall re-visit the format of hyper cube 5, ten place value systems and simultaneous parallel outward and inward expansion with strip off at the creative boundary and transcendence at the self-referral origin.
16. One shall further have a pause here and take note that human frame is a synthetic set up shad chakras (6 eternal circuits) of values (2, 4, 6, 8, 10, 12) parallel to the boundary components range (2, 4, 6, 8, 10, 12) of hyper cubes 1 to 6.
17. Further as that, human body with one head and a pair of eyes equipped in the head is of the format of a spatial dimension of creator's space (4-space) presided by, 4 head Lord Brahma, Creator's supreme.
18. Still further one shall sit comfortably and to imbibe the values of the way Lord Brahma meditate within cavity of his own heart upon the transcendental Lord Shiv and with the grace of transcendental Lord multiplies as ten Brahmas and transcendence in Shiv Lok (5-space) and place a role of manifested creative boundary of 10 components of the transcendental domain (5-space domain).
19. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
20. Sadhakas fulfilled with intensity of urge to know and to explore shall follow the transcendence path adopted by Lord Brahma Creator's supreme and one shall also be blessed to transcendental.
21. This transcendental feature of creation format of our solar universe shall be imbibed fully to attain proper insight and appropriate enlightenment about our existence phenomenon.
22. One shall continuously evaluate oneself about one's comprehension and imbibing of the value of transcendence and to up to date one's dictionary on the point.
23. One shall also continuously sit comfortably and to permit the transcending mind to glimpse and imbibe the phenomenon of transcendence through the format of manifested creation.
24. One shall further to continuously evaluate oneself about one's attainment of transcendence.
25. The transcendence phenomenon, sequentially enriches intelligence field with consciousness state.
26. Consciousness state unfolds sequentially during transcendence as transcendence is a transcendental phenomenon (5-space), which creates unity state 7-space domain.
27. A unity state domain accepts a dimensional frame of 7 dimensions of transcendental order (5-space in the role of dimensional of 7-space).
28. These 7 transcendental dimensions provide format for 7 consciousness state for our intelligence field.
29. It brings us face to face with the solemn responsibility of parents and of Vedic mathematics teachers to smoothly put the young minds upon

the consciousness path to enrich to intelligence field with impulses of consciousness of unity state of existence phenomenon.

30. The rich of the intelligence bits riding the consciousness impulses is up-till the unity state domain (7-space domain) which sustains our solar universe with 7-space playing the role of origin of 6-space.
31. One may have a pause here and take note that the disintegration of 6-space domain into a pair of 6-space domain and the resultant release of 7-space origin makes a values triple format (6, 7, 6) of summation value 19 and the transcendental dimensional (6, 5, 6) of summation value of  $(6+5+6) = 17$  and the value pairs (17, 19) becomes the placement values pair (17, 19) of northern and southern hemisphere of our solar universe.
32. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.



### LESSON-70

## TRANSCENDENCE CORE OF OUR SOLAR UNIVERSE

1. Placements values pairs (17, 19) of northern and southern hemisphere of our solar universe bring to focus the value 18 of the value triple (17, 18, 19).
2. Value 18 accepts re-organization as  $18 = (3 + 4 + 5 + 6)$ , which is parallel to four folds manifestation layer (3, 4, 5, 6) of hyper cube 5, the representative regular body of 5-space.
3. These features, as these are, make central core of our solar universe being of the format of a transcendental domain (5-space domain) of hyper cube 5 manifestation within creator's space (4-space).
4. One shall sit comfortable and permit the transcending mind to fully glimpse and to completely imbibe the above transcendental feature of our solar universe.
5. Further, one shall also to fully glimpse and to completely imbibe the transcendental feature of the creation format of our existence phenomenon.
6. Still further one shall also fully glimpsed and to completely imbibe the way one may have transcendence field to be created by going the meditation way of creator's supreme.
7. The transcendental field within a human frame, the transcendental feature of existence phenomenon of manifested creation format and the transcendental core of our solar universe, are the feature which deserves to be blissfully glimpsed and to be blissfully imbibed to attain consciousness format for intelligence field within mind.
8. One shall continuously endeavor to perfect one's intelligence.
9. Parents and teacher are under solemn duty to very gently expose young minds to the knowledge, and

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ensuring that no scratch is caused to the innocence fulfilled young mind.

10. One shall blissfully glimpse the affine state of innocence fulfilled young mind and parallel to it one shall very gently expose young minds to the knowledge which have a transcendental base.
11. One shall very smoothly take young mind to knowledge of transcendental base and unifies it with the transcendental core of our solar universe
12. To unifies transcendental base of knowledge with the transcendental core of solar universe is the real aim of learning and teaching basis base mathematics of Vedic systems.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.
14. One shall update one's dictionary about one's reach of glimpsing of the learning and teaching steps of basis base of mathematics of Vedic system for attaining unification of the transcendental core of solar universe with the transcendental format of pure and applied knowledge, and the same can be phased for exposure of the innocence fulfilled with young minds.
15. This phasing is to be, firstly, as to the values of numbers, secondly as to the space content manifesting as bodies, and thirdly the inter-relationship of values of numbers and manifestation formats for the space content.
16. Further the values of numbers are to be approached in terms of their organizing artifices, on the one hand and the dimensional frames within which space content manifests, on the other hand.
17. This further, takes to the organization of values of numbers as per the placement systems, and also in respect of synthesis of a dimensional frame.
18. This, a step ahead, takes to parallel organization of artifices of number and of dimensional frames.
19. A step head, the transcendence happening from the manifestation format and unfine the existence phenomenon deserves to be chased for reach up-till the transcendental core of solar universe.
20. The emerging transcendental domain format leads to unification state.
21. This state becomes the index of perfection of intelligence with consciousness format.
22. The compactification of consciousness state becomes the feature which ultimately takes to the natural source (asht prakarti/ 8-space format).
23. A step ahead, is a lead to Brahman reservoir (9-space virtues).
24. And even beyond, as beyond everything, is par Braham.
25. Sadhakas fulfilled with intensity of urge to glimpse up-till values of Brahman domain and even fulfilled with intensity of urge to, even to transcend the values, will blissfully glimpse and imbibe the virtues.
26. The existence of values and virtues like the existence phenomenon of



values being within frames and virtues being beyond frame, as existence without frames.

27. Such sequential phasing of progressive step format of the range of reach up-till unity state and even transcendence there from for a reach beyond is to be the aim and goal of attainment of Sadhakas of basis base mathematics of Vedic systems and Vedic knowledge.
28. Parallel processing systems of Sankya Nishta and Yoga Nishta are the ultimate Vedic Mathematics processing systems.
29. Sankiya Nishta presumes the existence of geometric format and avails artifices of numbers.
30. Yoga Nishta presume the existence of artifices of numbers and avails existence with in dimensional frames of space content manifestation as domain fold.
31. Ganita Sutras and upsutras are to be approach in terms of the parallel processing steps of Sankiya Nishta and Yoga Nishta.
32. Self-referral domain is the Vedic Mathematical domain.
33. 6-space reality is to be comprehended and to be processed properly by simultaneously availing Sankiya Nishta and Yoga Nishta to blissfully avails the mathematics of Ganita Sutras and upsutras.

■

## LESSON-71 SYNTHESIS OF DIMENSIONS OF SAME ORDER AND OF SEQUENTIAL ORGANIZATION OF DIMENSIONAL FRAMES

1. Synthesis value of triple dimension is '6' for every dimensional order.
2. Summation of Synthesis value of single, double, triple and quadruple numbers of dimensions comes to be '20', for any dimensional order.
3. This pair of feature of synthesis of dimensions of same order, and of sequential range of dimensional frames, deserves to be comprehended well for its complete imbibing and fully appreciation.
4. Number value '6' accepts organization as  $(6) = (0 + 1 + 2 + 3)$  parallel to which is a four folds manifestation layer  $(0, 1, 2, 3)$  of hyper cube 2.
5. O  
rganization of number value '20' is as of synthesis of a pair of transcendence ranges of zero order  $(0, 1, 2, 3, 4)$  and  $(0, 1, 2, 3, 4)$ .
6. O  
ne shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.
7. I  
t would be blissful to take note that the difference value  $(20 - 6) = 14$  bring us face to face with a four folds manifestation layer  $(2, 3, 4, 5)$  of hyper cube 4, the representative regular body of 4-space.

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8. I t would be blissful to take note that  $(6 + 14) = 20$  leads us to the geometric format feature as that the formats of hyper cube 2 and hyper cube 4 gives us a reach to the synthesis of a pair of transcendence ranges of zero order.
9. O ne shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.
10. It would be blissful to comprehend as that the synthesis of dimensions of order  $\mathbf{N}$  and of order  $\mathbf{N+2}$  or interrelated, as much as that the sequential difference of synthesis value of  $\mathbf{M}$  number of dimensions and of  $\mathbf{M+1}$  number of dimensions, of order  $\mathbf{N+2}$  is the value  $\mathbf{N}$  only.
11. Illustratively, solid dimension synthesis value range is  $(0, 3, 5, 6, 6, 5, 3, 0 \dots)$ .
12. This range of value leads to difference values sequence for pair of consecutive values of above range as  
 $[(3-0) = (3), (5-3) = (2), (6-5) = (1), (6-6) = (0), (5-6) = (-1), (3-5) = (-2), (0-3) = (-3) \dots]$
13. The emerging difference value sequence  $(3, 2, 1, 0, -1, -2, -3 \dots)$  has a difference value (1) at each step.
14. One may have a pause here and take note that the above difference value (1) is parallel to the value of a single linear order dimension.
15. It would be blissful exercise to chase for  $\mathbf{N} = 2, \mathbf{N} = 3$  and so on.
16. To have proper comprehension of the above interrelationship of synthesis values ranges of  $\mathbf{N+2}$  order and of  $\mathbf{N}$  order for value of  $\mathbf{N}$ .
17. It would be blissful to take note that above relationship holds for all values of  $\mathbf{N}$ , positive, zero or negative.
18. Further this relationship also holds for all values of  $\mathbf{N}$  positive, zero, negative.
19. One may have a pause here and take note that the relationship holds for all values of  $\mathbf{N}$  and for value of  $\mathbf{M}$ .
20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.
21. This brings us face to face with zero and negative dimensional orders also.
22. Further it also brings us face to face with zero number of dimension as well as of negative number of dimensions.
23. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.
24. It is in terms of this relationship that Vedic systems chase 'black matter' as well 'light' content.
25. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.

26. Dimensional synthesis phenomenon, further brings us face to face with the values differences at each step for a pair of consecutive dimensional orders dimensions synthesis values ranges.
27. Dimensional synthesis values range of linear dimensions comes to be (0, 1, 3, 6, 10, 15, 21, 28 ...).
28. Dimensional synthesis values range of spatial dimensions comes to be (0, 2, 4, 6, 8, 10, 12, 14 ...).
29. Difference value sequence for above pair of ranges of linear and spatial order set up comes to be: (0, -1, -1, 0, 2, 5, 9, 14, 20 ...).
30. The difference value of consecutive terms of above sequence of terms (0, 2, 5, 9, 14, 20, 27 ...) comes to be (2, 3, 4, 5, 6, 7 ...).
31. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.
32. It would be a blissful exercise to extend above synthesis values ranges of linear and spatial order for negative number of dimension as well and to reach at the difference value for the range (0, -2, -5, -9, -14, -20 ...).
33. It would further be a very blissful exercise to reach at above difference values range in respect of dimensional orders  $\mathbf{N}$  and  $\mathbf{N+1}$  for all values of  $\mathbf{N}$ , may it be positive, zero or negative value of  $\mathbf{N}$ .
34. It would be blissful to take note that in every such case for every value of  $\mathbf{N}$  the difference value range would be the same as is a reference to linear and spatial dimensions order chased above.
35. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.
36. One shall update one's dictionary about one's comprehension and imbibing the value of mathematics of dimensional synthesis of any order and of any numbers of dimensions of that order.
37. One shall further update one's dictionary about one's comprehension of interrelationship of synthesis value of (i)  $\mathbf{N}$  and  $\mathbf{N+2}$  and of (ii)  $\mathbf{N}$  and  $\mathbf{N+1}$  order. ■

**LESSON-72**  
**DIVYA DRAVYA**  
**(TRANSCENDENTAL CONTENT)**

1. Dimensional synthesis of unity state order (7-space) in role of dimension has intimate relationship with transcendental dimensional order synthesis (5-space in the role of dimension of 7-space).
2. This relationship and rich of transcendental dimensional order (5-space as dimension of 7-space) is a reach and relationship with the Brahman domain (9-space domain) created by unity state dimensional order (7-space as dimension of 9-space).
3. Unity state dimensional order (7-space as dimension) creates hyper cube 9 format of four folds features

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- (7, 8, 9, 10) of summation value  $(7+8+9+10) = 34$ .
4. Further as that,  $(7+10) = (8+9) = 17$ .
  5. Transcendental code value of formulation Divya is 17.
  6. Transcendental code value of formulation Dravya is also 17.
  7. Transcendental code value of Divya Dravya is  $(17+17) = 34$ .
  8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  9. The pair of values (8, 9) accepts re-organization as  $(2^2, 3^2)$  which is of the format of vertical reflection pairing format permitting swapping of places by a pair of digit (2, 3) of placements at base and index.
  10. This reflection pairing feature of 9-space domain enveloped within 8-space boundary deserves to be fully comprehended and to be completely imbibed to have proper insight about the internal organization of 9-space domain.
  11. The values pair (7, 10) is of the format of 10-space origin fountaining its virtues into unity state dimensional order.
  12. It is this pair of organization features of hyper cube 9 format which deserves to be comprehend well for their imbibing and appreciation.
  13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  14. The relationships of domain with boundary, and of origin with dimension, are of features and values which deserve to be glimpsed and to be imbibed.
  15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  16. It would be a blissful exercise to revisit dimensional synthesis values range of unity state dimensional order dimensions being  $(0, 7, 9, 6, -2, -15, -33, -56 \dots)$
  17. The values difference sequence of above range of values comes to be:  $(7, 2, -3, -8, -13, -18, -23 \dots)$ .
  18. The difference of consecutive terms of above sequence of comes to be:  $(7, 2, -3, -8, -13, -18, -23)$
  19. One may have a pause here and take note that difference value of pair of consecutive entries of above sequence are:  $(5, 5, 5, 5, 5 \dots)$
  20. This brings us face to face with the role of number value 5 parallel to 5-space in the role of dimension of 7-space which creates Brahman domain (9-space domain) of hyper cube 9 being the four folds manifestation layers (7, 8, 9, 10).
  21. Further it also would be blissful to take note that the split of 6-space domain results into release of 7-space origin of transcendental dimensional order (5-space in the role of dimension of 7-space), and a result of their of their happen a set up of triple values pairs

- i. (6, 7, 6) of summation value  
(6+7+6) = 19.
  - ii. (6, 5, 6) of summation value  
(6+5+6) = 17.
22. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  23. Sadhakas fulfilled with intensity of urge to know and to explore further shall chase letter wise transcendental code values and geometric format of individual letters availed for comprehension of a pair of formulation namely Divya and Dravya.
  24. The formulation Divya is composition is availing 5 letters while formulation Dravya is composition is availing 6 letters.
  25. Both the formulations have four common letters.
  26. The first formulation Divya has the fifth distinct letter namely second vowel.
  27. The second formulations Dravya have a pair of distinct letter namely first vowel and the second Anthsatha letters.
  28. The second vowel is of transcendental code value 2 but is of a geometric format of a dimensional frame of 2-space constituted by pair of axis of zero order.
  29. First letter of both formulations is of geometric format of 6-space domain and of transcendental code value 6.
  30. The quadruple other letters of first formulation are of
    - i. Transcendental code value 2 and of geometric format to dimensional frame.
    - ii. Fourth Anthsatha letter of transcendental code value 7 and of geometric format of boundary of 8-space domain.
    - iii. First Anthsatha letter of transcendental code value of 1 and of boundary format of spatial domain.
    - iv. First vowel of value of transcendental code value 1 and of geometric format of 1-space dimensional frame.
  31. The other five letters of other formulation are:
    - i. Second Anthsatha letters of geometric format of respective boundary folds.
    - ii. First vowel of value of transcendental code value 1 and of geometric format of 1-space dimensional frame.
    - iii. Fourth Anthsatha letter of transcendental code value 7 and of geometric format of boundary of 8-space domain.
    - iv. First Anthsatha letter of transcendental code value of 1 and of boundary format of spatial domain.
    - v. First vowel of value of transcendental code value 1 and of geometric format of 1-space dimensional frame.
  32. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values. ■

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**SELF-REFERRAL RANGES**

This day the course focus is upon ‘Self-referral ranges’. It four folds aspects being taken up are as follows:

- 97. Sequential transition of self-referral ranges.
- 98. Translation path of manifested creation.
- 99. Modern Mathematical tools.
- 100. Go transcendental to full-filled with Brahman grace.

The values being covered are to be taught as lessons numbers 73 to 76 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-73**

**SEQUENTIAL TRANSITION OF SELF-REFERRAL RANGES**

- 1. The self-referral range of dimensional frames of number of dimensions (1, 2, 3, 4, 5, 6) of linear order lead to summation value  $(1+3+6+10+15+21) = 56$ .
- 2. The self-referral range of dimensional frames of number of dimensions (1, 2, 3, 4, 5, 6) of spatial order lead to summation value  $(2+4+6+8+10+12) = 42$ .
- 3. The difference value  $56-42 = 14$  is a difference value of dimensional synthesis of dimensional frames of 1 to 6 dimensions of order N, and of order N+1 for all values of N, comes to be ‘14’.
- 4. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and

imbibe the above formats features and values.

- 5. One may have a pause here and take note that number value ‘14’ accepts re-organization as  $14 = (2+3+4+5)$  which is parallel to four folds manifestation layer (2, 3, 4, 5) of hyper cube 4, the representative regular body of 4-space.
- 6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
- 7. A step head, a difference value of dimensional frames of dimensions 1 to 7 of dimensional order N and dimensional order N+1 for all values of N, comes to be ‘20’.
- 8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
- 9. One may have a pause here and take note that number value ‘20’ is parallel to the synthesis value of a pair of transcendence ranges of zero order (0, 1, 2, 3, 4) and (0, 1, 2, 3, 4).
- 10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
- 11. One may further have a pause here and take note that the difference value  $(20-14) = 6 = (0+1+2+3)$  leads parallel to format of quadruples values (0,1,2,3) parallel to

- four folds manifestation layer (0, 1, 2, 3) of hyper cube 2.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  13. One may further have a pause here and take note that within self-referral domain manifests self-referral domain and the Sathapatya measuring rod set up of inner self-referral domain will be of synthesis value of dimensions of self-referral dimensions numbering 1 to 6 which would be leading synthesis value  $(6+8+6+0-10-24) = (-14)$ .
  14. One may have a pause here and take note that the synthesis value of numbers of dimensions (-1 to -6) of self-referral dimensional order will be (+14).
  15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  16. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the phenomenon of dimensional frames of 1 to N numbers of dimensions of dimensional order M.
  17. It would be a very blissful exercise to chase above feature for  $N = M = 7$ .
  18. It would be blissful to chase transcendence phenomenon at the unity state origin (7-space) origin of 6-space.
  19. Here, there would be a transcendental order (5-space in the role of dimension of 7-space).
  20. It would be blissful to chase synthesis of dimensional frames of 1 to 7 dimensions of transcendental order.
  21. Likewise one may chase transcendence phenomenon at the origin of other dimensional domain.
  22. One may have a pause here and take note that the difference value sequence of dimensions of a pair of consecutive order comes to be: (0, -1, -1, 0, 2, 5, 9, 14, 20, 27 ...)
  23. This range of values further lead to sequential progression of values sequence as (0, -1, -2, 0, 2, 7, 16, 36, 63 ...)
  24. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  25. The above progression range up-till 6 steps (0, -1, -2, -2, 0, 7) takes up-till value 7.
  26. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  27. It would be blissful to chase above phenomenon for all dimensional order up-till the number of steps equal to the dimensional order itself.
  28. One shall update one's comprehension of above phenomenon and to update one's

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dictionary about this comprehension.

29. Sadhakas fulfilled with intensity of urge to know and to explore further shall chase dimensional frames of linear order for dimensions 1 to 9.
30. Further one shall a chase for the spatial order instead of linear order dimensions.
31. A step head, one shall sequentially chase in respect of solid, creative, transcendental and self-referral origin.
32. One shall update one's dictionary one's comprehension of above phenomenon.



### LESSON-74

#### TRANSLATION PATH OF MANIFESTED CREATION

1. Sathapatya measuring rod settle translation path for manifested creation.
2. Lord Vishnu over lord of 6-space is the presiding deity of Sathapatya measuring rod.
3. With it, this rod becomes the rod of 6-space domain.
4. Lord Brahma, 4 head lord, creator supreme and over lord of real 4-space is the presiding deity of the measure of Sathapatya measuring rod.
5. With it, 4-space domain becomes the domain of measure of Sathapatya measuring rod.
6. Accordingly, the whole range of manifested creation along the format of Idol of Lord Brahma gets subjected to this measure.
7. Accordingly, dimensional bodies as set ups of 4 folds manifestation layer of hyper cubes format get measured in terms of measure of the Sathapatya measuring rod.
8. With it, the translation path of manifested creation comes to be the path of dynamic state hyper cube format.
9. This makes the translation of manifested creations becomes the path of the format of 5 folds transcendence range format.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
11. The translation path as of the features of 5 folds transcendence range becomes the phenomenon of transcendental domain which manifests as enveloping boundary of self-referral domain.
12. Therefore this amounts to a rich from 4-space as dimension to 5-space as boundary of 6-space.
13. The translation path as transcendental boundary of self-referral domain with it feature and value of happening of component wise strip off and their by, the outer space gets dimensionalized of transcendental order creating unity state (7-space manifestation as hyper cube 7 set up)
14. One may have a pause here and take note that self-referral domain has unity state origin of a transcendental order.
15. With it, the outward and inward expansion with self-referral domain



- itself, in a dynamic state shall be acquiring the role of dimensional order of 8-space enveloped by unity state boundary and of Brahman origin (9-space as origin).
16. It would be blissful to take note that  $(7, 7) = 9$ , the dimensional synthesis equation of a pair of unity state dimension synthesizing Brahman domain is the blissful reach.
  17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  18. Sadhakas fulfilled with intensity of urge to know and to explore further to visit and to re-visit the above phenomenon of self-referral domain itself in its dynamic state acquiring the role of self-referral dimension of Asht Prakarti of Brahman origin.
  19. It would be a blissful exercise to chase linear order hyper cube 3 in its dynamic state along linear order transcendence range.
  20. Linear order hyper cube 3 in its dynamic state, will be having transition and transformation into the format of spatial order hyper cube 4.
  21. Further one may chase linear order transcendence range, in its dynamic state along 6 folds self-referral range.
  22. It would be blissful to take note that linear order transcendence range during its translation along linear order self-referral range will transiting and transforming into spatial order self-referral range.
  23. A step head, the self-referral range in its dynamic state along 7 folds long unity state, during its translation shall be transiting and transforming a spatial order self-referral range.
  24. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  25. Sadhakas fulfilled with intensity of urge to know and to explore further shall update one's dictionary about one's comprehension and imbibing of the values of above translation phenomenon of manifested creation.
  26. Transition and transformation during translation of manifested creation is the phenomenon which deserves to be comprehended well and to be imbibed fully for its appreciation.
  27. The translation path themselves, as well in their dynamic state, transition and transform into unfolding their inner folds.
  28. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  29. The Sadhakas fulfilled with intensity of urge to know and to explore the phenomenon of sequential unfolding from within of the translation path themselves during their dynamic states.
  30. One shall share their insight and enlightenment about glimpsing and

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to comprehension of the translation path, with senior Sadhakas.

31. One shall very gentle and in most natural way approach the nature (Asht Prakarti) for the way it organizes itself.
32. One shall goes transcendental to be parallel with the way nature organizes itself and throughout remains connected with Brahman source reservoir as origin fold of Asht Prakarti.
33. It would be blissful to visit and revisit hyper cube 8 format firstly as a four folds manifestation layer (6, 7, 8, 9) and then its dynamic state along its translation path of Brahman domain (9-space domain), playing the role of origin of 8-space permitting transcendence of the order of unity state (7-space in the role of dimension of 9-space, enveloping boundary of 8-space and being the origin of 6-space, and also manifesting unity state domain with in a unity state domain.
34. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values. ■

### LESSON-75 MODERN MATHEMATICAL TOOLS

1. Senior Sadhakas shall help Sadhakas to appreciate the potentiality reach of the values of modern mathematical tools.
2. Sadhakas shall also be properly initiated to chase in terms of

modern mathematical tools to have an idea of their limitation to approach 6-space domain, in particular.

3. Fold wise approach of hyper cube format will help to comprehend the distinguishing feature of modern mathematical approach to our existence phenomenon from that of Vedic systems.
4. Further Sadhakas shall be properly exposed to the transcendental feature of manifested creations of the value as that transcendence is permissible at the origin fold and same amounts to extensions of four folds format into five folds format.
5. This feature of processing format of hyper cubes shall be further enriching one's comprehension of distinguishing feature of the Vedic Mathematics.
6. Vedic Mathematics chases whole range of manifested creation with in creator's space (4-space) along the format of Idol of Lord Brahma.
7. Modern mathematical tools are shy of facing the origin fold.
8. The insistence of modern mathematics upon linear order blocks it with in a linear order 3-space domain.
9. Vedic system initiation point itself is the spatial order 4-space.
10. Modern mathematical tools handle domains in terms of boundaries and the values of boundary and domain it superimposed in such a way that to distinguish them by deciphering them isolation of each other, simply becomes impossible for the modern mathematical tools.

11. One the other hand Vedic system accepts boundary fold as a distinct role of the domain fold of lower degree order than that of domain fold itself.
12. The help-ness of modern mathematical tool is well reflected when it is coincided as that it is not becoming possible to reach at the reason as to why every continue function is not drivable everywhere.
13. This help-ness of modern approach is inherent in the definition of derivative which takes care of half boundary.
14. Modern systems are conceptually at wrong format and it is beyond them to glimpse and imbibe even the phenomenon of synthesis of dimensions or the split of domain.
15. The transcendence phenomenon as well is not within the modern mathematical tools.
16. All this, and all that, as it is, every system has its values reach and for it, every system is to be approached, the systems way itself.
17. The transition from one system to another system is to be worked at the foundation level.
18. Common value apart the transition focus is to remain upon the diversions joints same goal may have different paths.
19. Every path is having its values.
20. The unifies path as its own value.
21. Vedic system successfully unifies different processing path permissible.
22. Each path is to be availed for its values.
23. Aim should be to attain the goal.
24. Sadhakas fulfilled with intensity of urge to know and to explore shall first have an idea of its goal.
25. Vedic systems help reach goal of glimpse and imbibing the values of existence phenomenon of our solar universe to have a blissful life span for each one of us.
26. End reach value of Vedic system is that existence phenomenon within human frame, at the existence phenomenon of the solar universe, as such of the same format and this format is the format of Sathapatya measuring rod being the synthetic set up of hyper cubes 1 to 6.
27. With it the Vedic mathematics processing tools are of the format feature of Sathapatya measuring rod.
28. Along the Sathapatya measuring rod the artifices of number values and dimensional frames of space content value run parallel to each and the unifies system and their unifies system is the processing system.
29. The pair of system namely Sankaya Nishta and Yoga Nishta run parallel to each other and are complementary and supplementary at each other at every processing steps.
30. Sankhiya Nishta presumes the existence of geometric format and avail the values of numbers in terms of their artifices.
31. Yoga Nishta presumes the existence of number value and avail geometric format in term of dimensional frames.
32. Sadhakas fulfilled with intensity of urge to initiate themselves for learning and teaching of Vedic Mathematics shall, at a first step,

initiate themselves about the parallel features of Sankiya Nishta and Yoga Nishta. ■

33. For its common format of Sathapatya measuring rod is to be availed.
34. The dimensional order, enveloping boundary, domain fold in a sealed state having translation for its order by transcendence through origin, are the feature, which are to be availed for every components of the synthetic set up of Sathapatya measuring rod.
35. Sequential unfolding at origin is another feature which is to be fully glimpsed and is to be completely imbibed.
36. Parallel is going to be the format of sequential unfolding from within of the intelligence field along the consciousness format.
37. It is here where we will be face to face with the processing steps attainability of the modern mathematical tools which restrict itself up-till 3-space domain while Vedic system process up-till the reality of 6-space, in one go with the promise of its reach up-till the Brahman domain (9-space domain).
38. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
39. Sadhakas fulfilled with intensity to urge to know and to explore the Reality domain of 6-space to 9-space domain, shall perfect one's intelligence of the unity state order by going transcendental.

## LESSON-76

### GO TRANSCENDENTAL TO FULFILLED WITH BRAHMAN GRACE

1. Scriptural command is that one shall go transcendental to fulfilled with Brahman grace.
2. Transcendental range of transcendental order (5, 6, 7, 8, 9) is the format for getting fulfilled with Brahman grace being fountained from Brahman reservoir (9-space domain) into transcendental order (5-space) in the role of dimension.
3. The summation value  $(5 + 6 + 7 + 8 + 9) = 35 = (5 \times 7)$  is parallel to the outward and inward unity state expansion with the strip off at the transcendental boundary of self-referral domain and transcendence through the unity state origin of self-referral domain.
4. Transcendental code value of formulation udgith is '35'.
5. Number value 35 constitutes a reflection pair with number value 53.
6. Number value 53 is the synthesis value of a pair of transcendence ranges of solid order.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
8. Sadhakas fulfilled with intensity of urge to glimpse and imbibe, and to attain the values and virtues of this phenomenon shall sequentially to go

the Lord Brahma way to be transcendental and Lord Shiva way to be self-referral.

9. Sadhakas shall initiate for this format by glimpsing and imbibing the chase steps of Chandgyoupanished.
10. Chandgyoupanished enlighten about the reach at Divya Vastu.
11. The formulation Divya Vastu accepts transcendental code value 35.
12. A reach from values pair (35, 53) to values pair (46, 64) is the reach of self-referral transcendental state.
13. This is the Vedic reach.
14. This is the Vedic reach along the Sathapatya measuring rod.
15. The value 64 is the synthetic value of a pair of transcendental ranges of creative order: (4, 5, 6, 7, 8) and (4, 5, 6, 7, 8).
16. A step ahead, is the format of transcendence range of transcendental order (5, 6, 7, 8, 9).
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
18. One shall glimpse and be blissful as that transcendental Lord Shiv meditates upon self-referral Lord Vishnu and self-referral Lord Vishnu meditate upon transcendental Lord Shiv.
19. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.



## 6-SPACE CONTENT VALUE CHASE

This day the course focus is upon '6-space content value chase'. It four folds aspects being taken up are as follows:

81. 6-space content value chase.
82. Simultaneous availability of origin and domain fold orders.
83. Sequential Sathapatya measuring rods.
84. Dimensional frames and dimensional orders.

The values being covered are to be taught as lessons numbers 77 to 80 to the students of 3-space Vedic Mathematics, Science & Technology.

### LESSON-77

#### 6-SPACE CONTENT INTRODUCTORY

1. Chase phase one focus has been upon 6-space reality features glimpsing.
2. Now in chase phase 2 the focus is been to the upon values of 6-space reality.
3. The transition from features to values is of the nature of transition from spatial order as the basis base of re-manifestation of 6-space domain within 6-space domain to creative dimensional order of 6-space domain making the creator.
4. As such, here during this phase to chase of 6-space reality, the essential focus is to be remain upon 4-space in the role of dimension of 6-space domain.
5. This, as such shall be bringing us face to face with the measure of the Sathapatya measuring rod.

6. Measure to measuring rod is the reach of creator to its creations.
7. These creations, in the context of existence within human frame are of values of impulses as virtues of the values, which would be the chase focus of phase 3 of the present course.

## 6-SPACE CONTENT VALUE CHASE

1. Vedic Mathematics, Science & Technology of 6-space is essentially a chase of values of 6-space content as its expresses in its different roles, particularly as dimension fold, boundary fold, domain fold, origin fold, base fold and format fold.
2. 6-space content manifests as dimension fold of hyper cube 6 along the manifestation format of creator's space within 4-space.
3. 6-space domain (as dimension fold of hyper cube 6) accepts its chase in terms of Sathapatya measuring rod format.
4. This format (of Sathapatya measuring rod) is synthetic set up of hyper cubes 1 to 6.
5. As such, the chase of 6-space content along the Sathapatya measuring rod will be having a sequential progression of chase for 6-space content as content lump permitting formatting along the sequential format of hyper cubes 1 to 6 respectively.
6. This chase, as such, is going to be of 6 steps.
7. One may have a pause here and take note that 6-space content lump as points shall be accepting their

formatting organization along 1-space body of single dimension set up of its dimensional frame.

8. This set up may be designated as a 6-space domain point line.
9. Likewise, sequentially we shall having be a reach of a 6-space domain points planes, solids, and hyper solids of hyper cube 2 domain to hyper cube 6 domains formats set ups.
10. The reach of 6-space domains points formatted along the domain fold of hyper cube 6, as such shall be a singular set up of 6-space domain itself.
11. A step head, full expression as of complete hyper cube 6 format shall be bringing us face to face with  $(4 + 5 + 6 + 7) = 22$  value expression.
12. One may have pause here and take note that on this way 6-space content values chase is going to be of  $(6 + 1 + 22) = 29$  values expressions step.
13. It would be blissful to take note that Sam Ved Samhita avails this organization range of  $(6 + 1 + 22) = 29$  Archiks.
14. Sam Ved Samhita glimpses 6-space contents values expression in full.
15. Sadhakas fulfilled with intensity of urge to know and to explore further shall initiate themselves for glimpsing and imbibing the values of Sam Ved Samhita itself.
16. One shall visit the set up of Sathapatya measuring rod as a synthetic set up of hyper cubes 1 to 6 formats.
17. One shall further glimpse sequential hyper cubes 1 to 6, and to avails the same for formatting 6-space domain

points fulfilled with 6-space contents and being Bindu Sarovar/ point reservoir of 6-space structure.

18. Hyper cubes 1 to 6 domains as formats and formatting of 6-space domain points along these formats are a pair of distinct features and values.
19. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.



### LESSON-78 SIMULTANEOUS AVAILABILITY OF ORIGIN AND DOMAIN FOLD ORDERS

1. Domain fold, in its sealed state being enveloped within a boundary and origin of dimensional frame being superimposed upon the seat of origin fold within domain fold, makes simultaneously available be order of origin fold and of domain fold for the structural set up value of the domain.
2. It is this feature which deserves to be full glimpsed and to be completely imbibed.
3. N-space domain with  $(N+1)$  space origin leads to  $(N-2)$  order for the domain fold and  $(N-1)$  order for origin fold.
4. The availability of  $(N-2)$  order and  $(N-1)$  order play their roles for structuring the N space domain fold.

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5. It would be a blissful exercise to glimpse and to comprehend the above features.
6. One shall tabulate the above features for  $N = (1, 2, 3, 4, 5, 6)$  to have specific comprehensive of these features for domain fold of hyper cubes 1 to 6.
7. The tabulation here under the visited and the appreciated in reference to above referral features for domain fold of hyper cubes 1 to 6.

S. No	Domain fold	Origin fold	Order of domain fold	Order of origin fold
1	1-space	2-space	-1 space	0-space
2	2-space	3-space	0-space	1-space
3	3-space	4-space	1-space	2-space
4	4-space	5-space	2-space	3-space
5	5-space	6-space	3-space	4-space
6	6-space	7-space	4-space	5-space

8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

9. For facility of firm comprehension of above feature, one shall revisit the internal set up of cube (of volume part / domain fold).
10. We know that it accepts a dimensional frame of 3 linear dimensions (axes).
11. Further also, we know that cube permits cut into 8 sub cubes parallel to 8 octants set up of 3-space.
12. One may have a pause here and take note that this 8 octants set up of 3-space and cube permitting cut into octants is there because of 3 spatial axes.
13. It is this feature of a dimensional frame of 3 linear axes and a dimensional frame of 3 spatial axes availability which is responsible for above structural feature of the domain fold of cube (hyper cube 3).
14. It would be blissful to visit domain fold of hyper cube 2 (square) accepting solid origin (3-space in the role of origin) and as such zero dimensional order and the linear dimensional order of the origin play their role for the structural features of domain fold (surface area) of square hyper cube 2.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
16. One shall glimpse these features for hyper cubes 1 to 6.





**LESSON-79**  
**SEQUENTIAL SATHAPATYA**  
**MEASURING RODS**

1. N-space domain accepts Sathapatya measuring rod synthesized by hyper cubes (1 to N).
2. With it, to sequence of 1 space domain, 2-space domain, 3-space domain, ..., N-space domain accepts Sathapatya measuring rod synthesized by hyper cube 1, hyper cube 1 and 2, hyper cubes 1 to 3, hyper cubes 1, 2, 3, 4, ..., hyper cubes 1, 2, 3, 4, ..., N.
3. One may have a pause here and to reach at sequential Sathapatya measuring rods of 1-space domain to 6-space domains.
4. For facility of evaluation of comprehension and imbibing of above features, the tabulation of sequential Sathapatya measuring rod of 1-space domain to 6-space domain is being drawn:

S. No	Space domain	Sathapatya measuring rod set up
1	1-space domain	Hypercube 1
2	2-space domain	Hyper cubes 1 and 2
3	3-space domain	Hyper cubes 1, 2 and 3
4	4-space domain	Hyper cubes 1, 2, 3 and 4

5	5-space domain	Hyper cubes 1, 2, 3, 4 and 5
6	6-space domain	Hyper cubes 1, 2, 3, 4, 5 and 6

5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
6. This range of sequential Sathapatya measuring rod, leads to a range of sequential strings of values: [(1), (1, 2), (1, 2, 3), (1, 2, 3, 4), (1, 2, 3, 4, 5), (1, 2, 3, 4, 5, 6), ...].
7. This further leads to double sequencing as under:
  - i. (1)
  - ii. {(1), (1, 2)}
  - iii. {(1), (1, 2), (1, 2, 3)}
  - iv. {(1), (1, 2), (1, 2, 3), (1, 2, 3, 4)}
  - v. ....
8. The sequence with above members makes a double sequencing sequence of strings of sequential values steps as under:
  - i. [{(1)}, {(1), (1, 2)}, {(1), (1, 2), (1, 2, 3)} ...]
9. One may have a pause here and have a fresh visit to above double sequencing value sequence.
10. Parallel to it, one shall reach at double sequencing value sequence of hyper cubes constituting sequential Sathapatya measuring rod.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and

## Transcendental content

imbibe the above format feature and values.

12. For facility of evaluation of comprehension of above feature, here below is reach at double sequencing sequence of sequential Sathapatya measuring rod.

6. (0) space being of dimension of 2-space.  
 7. (+1) space being dimension of 3-space  
 8. (+2) space being dimension of 4-space.  
 9. 3-space being dimension of 5-space and 1-space being dimension of 3-space and dimension of dimension of 5-space.

S. No	Space domain	Sathapatya measuring rod	Double sequencing sequence
1	1-space	Hyper cube-1	Hyper cube 1
2	2-space	Hyper cube 1, 2	Hyper cube-1, hyper cube 1, 2
3	3-space	Hyper cube 1, 2, 3	Hyper cube 1, hyper cubes 1 & 2, hyper cube 1, 2 and 3

10. 4-space being dimension of 6-space and 2-space being dimension of 4-space and dimension of dimension of 6-space.

This reach up-till dimension of dimension level of a dimensional domain, brings us face to face with a reach for dimension of dimension as well.

12. For facility of evaluation of comprehension of above features, tabulation is being here under reached under:

### LESSON-80 DIMENSIONAL FRAMES AND DIMENSIONAL ORDERS

1. N-space domain plays the role of dimension of (N+2 space domain).
2. N-space domain being a domain, it accepts (N-2 space domain as its dimensions).
3. Accordingly values triples (N-2, N, N+2) settle the dimensional order format features and values.
4. One may have pause here and take note that the parallel triples space (N-2 space, N space, N+2 space) becomes of format features and values inter see as :
  - i. N-space being the dimension of (N+2 space), and
  - ii. N-2 space being the dimension of (N space and being of dimension of dimension of (N+2 space)
5. This leads us to (-1 space) being dimension of +1 space).

Do main	Dime nsion	Dimension of Dimension	Value
1- spac e	-1 space	-3 space	(1) x (-1) x (-3) = 3
2- spac e	0 space	-2 space	(2) x (0) x (-2) = 0
3- spac e	1 space	-1 space	(3) x (1) x (-1) = -3
4- spac e	2-	0 space	(4) x (2) x

e	space		(0) = 0
5- spac e	3- space	1 space	(5) x (3) x (1) = 15
6- spac e	4- space	2 space	(6) x (4) x (2) = 48

be comprehend well for its complete appreciation.  
 20. This feature of reach from dimension to dimension of dimension deserves to be imbibed fully in reference to the reach value from domain to its dimension. ■

13. One shall have a fresh visit to above tabulation of values for 1-space domain to 6-space domain for reach up-till there dimension of dimension stages.
14. One shall glimpse and imbibe value (3) for 1-space and value (-3) for 3-space.
15. Further one shall glimpse and imbibe value 0 for 2 space as well as for 4-space.
16. Still further one shall glimpse and imbibe value (15) for 5-space domain and value (48) for 6-space domain.
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
18. It would be blissful to note that  $TCV (Ek) = TCV (Triaya)$ .
19. Dimension to dimension of dimension level reach has its significant role to play for the structural organization of domain fold, as such this feature deserves to

**FIXATION OF BOUNDARY**

This day the course focus is upon ‘Fixation of Boundary’. It four folds aspects being taken up are as follows:

- 129. Boundary of boundary.
- 130. Fixation of boundary within dimensional frame of domain fold.
- 131. Geometries of 6-space.
- 132. Transcendental order space outside 6-space, as well as inside 6-space.

The values being covered are to be taught as lessons numbers 81 to 84 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-81  
BOUNDARY OF BOUNDARY**

- 1. As boundary fold, in its own right is a domain fold, as such it shall be accepting boundary, which may be designated as a boundary of a boundary.
- 2. As (N-1) space plays the role of boundary of boundary of (N) space, as such (N-2) space shall be plays the role of boundary of the boundary.
- 3. The domain boundary ratio  $A^n:2nB^{n-1}$ , will hold for boundary of boundary as well for a value (N-1).
- 4. The sequential reach of steps taking from boundary to boundary will sequential take us from N space domain to N-1 space as boundary; (N-1) space as domain shall be taking us (N-2) space as boundary and the process will continue till (N = 0).

5. For facility of evaluation of comprehension of above features, here below is being drawn a tabulation for hyper cubes 1 to 6.

S. No	Domain fold	Sequential boundary to boundary reach
1	1-space domain	0-space
2	2-space domain	1-space, 0-space
3	3-space domain	2-space, 1-space, 0-space
4	4-space domain	3-space, 2-space, 1-space, 0-space
5	5-space domain	4-space, 3-space, 2-space, 1-space, 0-space
6	6-space domain	5-space, 4-space, 3-space, 2-space, 1-space, 0-space

- 6. Further it also would be blissful to glimpse sequential range of boundary components during the steps of reach ‘boundary to boundary’.
- 7. 1-space domain accepts boundary of 2 components.
- 8. 2-space sequential accepts (4, 8) components.
- 9. 3-space sequential accepts (6, 24, 48) components

10. 4-space sequentially accepts (8, 48, 192, 384) components.
11. 5-space sequentially accepts (10, 80, 480, 1920, 3840) components.
12. 6-space sequentially accepts (12, 120, 960, 480 x 12, 1920 x 12, 3840 x 12).
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
14. It would be blissful to glimpse fixation of boundary component within dimensional frame of the domain fold.
15. It would be blissful to chase fixation of boundary, boundary of boundary and sequential step ahead of boundary of boundary of boundary ....
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
17. It would be blissful to chase above features of sequential reach from boundary to boundary along the Sathapatya measuring rod format.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.



**LESSON-82**  
**FIXATION OF BOUNDARY**  
**WITHIN DIMENSIONAL FRAME**  
**OF DOMAIN FOLD**

- 1.2 components of boundary of 1-space get fixed in terms of  $(1 \times 2) = 2$  coordinates
- 2.4 components of boundary of 2-space get fixed in terms of  $(2 \times 4) = 8$  coordinates.
- 3.6 components of boundary of 3-space get fixed in terms of  $(3 \times 6) = 18$  coordinates.
- 4.8 components of boundary of 4-space get fixed in terms of  $(8 \times 4) = 32$  coordinates.
- 5.10 components of boundary of 5-space get fixed in terms of  $(10 \times 5) = 50$  coordinates.
- 6.12 components of boundary of 6-space get fixed in terms of  $(12 \times 6) = 72$  coordinates.
7. The above sequential fixation leads to values range (2, 8, 18, 32, 50, 72).
8. This values range accepts re-organization as [(2), (2 + 6), (2 + 6 + 10), (2 + 6 + 10 + 14), (2 + 6 + 10 + 14 + 18), (2 + 6 + 10 + 14 + 18 + 22)].
9. One may have a pause here and take note that value 2 is the summation value of four folds (-1, 0, 1, 2) of hyper cube 1.
10. One may have a pause here and take note that value 6 is the summation value of four folds (0, 1, 2, 3) of hyper cube 2.
11. One may have a pause here and take note that value 10 is the summation value of four folds (1, 2, 3, 4) of hyper cube 3.
12. One may have a pause here and take note that value 14 is the summation

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value of four folds (2, 3, 4, 5) of hyper cube 4.

13. One may have a pause here and take note that value 18 is the summation value of four folds (3, 4, 5, 6) of hyper cube 5.
14. One may have a pause here and take note that value 22 is the summation value of four folds (4, 5, 6, 7) of hyper cube 6.
15. One may have a pause here and take note that, these summation values will help us glimpse and imbibe the following organization features:
  - i. Value 2 is parallel to value of hyper cube 1
  - ii. Value  $8 = (2 + 6)$  is parallel to the values of hyper cubes 1 and hyper cube 2
  - iii. Value  $18 = (2 + 6 + 10)$  is parallel to the values of hyper cubes 1, hyper cube 2 and hyper cube 3.
  - iv. Value  $32 = (2 + 6 + 10 + 14)$  is parallel to the values of hyper cubes 1, hyper cube 2, hyper cube 3 and hyper cube 4.
  - v. Value  $50 = (2 + 6 + 10 + 14 + 18)$  is parallel to the values of hyper cubes 1, hyper cube 2, hyper cube 3, hyper cube 4 and hyper cube 5.
  - vi. Value  $72 = (2 + 6 + 10 + 14 + 18 + 22)$  is parallel to the values of hyper cubes 1, hyper cube 2, hyper cube 3, hyper cube 4, hyper cube 5 and hyper cube 6.
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and

imbibe the above format feature and values. ■

## LESSON-83 GEOMETRIES OF 6-SPACE

1. Richness of mathematics, sciences and technologies of 6-space are their due to the range of 13 geometries of 6-space.
2. Parallel to it is the range of 13 versions of hyper cube 6.
3. Each of these 13 versions of hyper cube 6 is a set up of distinct features and values.
4. These 13 types of hyper cube 6 formatted bodies of 6-space is of its distinct geometric format.
5. 13 geometric range and their corresponding representative bodies lead to distinct features of their respective discipline of mathematics, sciences and technologies.
6. These geometries range, in their sequential organization accepts association of numbers values (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13) in that sequence and order being first, second, third and so on, the thirteen geometry.
7. As hyper cube 6 accepts transcendental boundary of 12 components, as such, parallel to the presence of the number of boundary components, they accepts association of values (12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0), in that sequence and order.
8. The presence of boundary components, as such is taken as that, its presence, is its signature in the marks of its presence.

9. Accordingly parallel geometry gets designated as a range of geometries of signature (12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0).
10. These versions of hyper cube 6, also get organize as that 12 boundary components permit grouping as a pair of 6 components each.
11. This organization of boundary of 12 components, as a pair of group of half number of components leads to organization of feature of presence and absence of boundary components from both groups.
12. One feature of this organization comes to be that let one group be associated value (-) and other group be associated value (+), and accordingly the range of 13 versions of hyper cube 6 and corresponding 13 geometries range of 6-space get organize as a range of (-6, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6) signatures.
13. This organization permits classification of 13 geometries as 7 non-negative geometries and 7 non positive geometries and zero signature geometry acquires membership of both non-positive and non-negative group of geometries.
14. The presence / absence of component of first part of boundary make a range of 6 geometries.
15. Likewise, second part of boundary as well, with presence and absence of boundary component makes a range of 6 geometries. The version of hyper cube 6 with zero number of components being present in both parts of the boundary, make a singular geometry.

16. These features of classification and organization of the range of geometries and parallel to it of versions of hyper cube 6 leads us to following 7x7 matrix format accommodating this organization.

(6, 6), (6, 5), (6, 4), (6, 3), (6, 2),  
 (6, 1), (6, 0)  
 (5, 6), (5, 5), (5, 4), (5, 3), (5, 2),  
 (5, 1), (5, 0)  
 (4, 6), (4, 5), (4, 4), (4, 3), (4, 2),  
 (4, 1), (4, 0)  
 (3, 6), (3, 5), (3, 4), (3, 3), (3, 2),  
 (3, 1), (3, 0)  
 (2, 6), (2, 5), (2, 4), (2, 3), (2, 2),  
 (2, 1), (2, 0)  
 (1, 6), (1, 5), (1, 4), (1, 3), (1, 2),  
 (1, 1), (1, 0)  
 (0, 6), (0, 5), (0, 4), (0, 3), (0, 2),  
 (0, 1), (0, 0)



**LESSON-84**  
**TRANSCENDENTAL ORDER**  
**SPACE OUTSIDE**  
**6-SPACE, AS WELL AS INSIDE 6-**  
**SPACE**

1. Hyper cube 6 is a four folds manifestation layer (4, 5, 6, 7).
2. 7-space plays the role of origin of 6-space.
3. 7-space is a transcendental order space.
4. 6-space accepts transcendental boundary.
5. Take off at the boundary of 6-space results into structuring of outer space as a transcendental space.

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6. One shall have a pause here and to glimpse and imbibe the features of outer space, as well as of inner space being of transcendental order.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
8. It would be a blissful exercise to glimpse and to chase sequential transcendental boundary components and resultant structuring of the outer space.
9. One may have a pause here and take note that synthesis values range of synthesis of (1 to 12) numbers of transcendental dimensions (5-space in the role of dimension).
10. For facility of evaluation of comprehension of synthesis values of synthesis of 0 to 12 numbers of transcendental dimension, tabulation thereof is being reach at as under:

S. No	Number of Transcendental Dimensions	Synthesis Values
1	0	20
2	1	15
3	2	10
4	3	5
5	4	0
6	5	-5

7	6	-10
8	7	-15
9	8	-20
10	9	-25
11	10	-30
12	11	-35
13	12	-40

11. It also would be a blissful exercise to glimpse and imbibe of synthesis values of synthesis of (-6 to +6) number of transcendental dimensions.
12. For facility of evaluation of comprehension of above values, tabulation their off is being reached at as under:

S. No	Number of Transcendental Dimensions	Synthesis Values
1	-6	50
2	-5	45
3	-4	40
4	-3	35
5	-2	30
6	-1	25
7	0	20



8	1	15
9	2	10
10	3	05
11	4	00
12	5	-5
13	6	-10

**SELF-REFERRAL DOMAIN WITH A TRANSCENDENTAL WINDOW**

This day the course focus is upon ‘Self-referral domain within a transcendental window’. It four folds aspects being taken up are as follows:

- 133. Self-referral domain free of its boundary.
- 134. Self-referral domain with a transcendental window.
- 135. Creator order flow from transcendental window.
- 136. Flow out through a pair of transcendental window.

The values being covered are to be taught as lessons numbers 85 to 88 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-85**

**SELF-REFERRAL DOMAIN FREE OF ITS BOUNDARY**

- 1. 6-space domain is designated as self-referral domain.
- 2. Self-referral domain free of its all boundary components, is the representative regular body of geometry of zero signature with removal of its dimensional frame, the same gets unsealed, and a result their off, its unity state origin (7-space as origin) gets released. It is this feature of zero signature geometry of 6-space, and its representative body, which deserve to be comprehended well.
- 3. One may have a pause here and have a fresh visit to the set up of representative body of this geometry

of 6-space that domain fold in its unsealed state results into this integration of the domain fold and as a result, there happen to be a release for its unity state origin.

- 4. The release of this unity state origin, splits domain fold into a pair of domain folds.
- 5. It is this feature of self-referral domain which deserves to be comprehended well.
- 6. It leads to values triple (6, 7, 6) of summation value  $(6 + 7 + 6) = 19$  parallel to placement value 19 for the southern hemisphere of our Solar Universe.
- 7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
- 8. One may have a pause here and take note that the values pair (19, 17) is of (domain, dimension) format and this leads to placement value 17 for the northern hemisphere of our solar universe.
- 9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
- 10. It would be a blissful to take note that the values triples (17, 18, 19) value for the middle placement for the pair of hemisphere of our solar universe being ‘18’, which accepts re-organization as  $18 = (3 + 4 + 5 + 6)$ , which is parallel to four fold manifestation layer (2, 3, 4, 5) of hyper cube 5.

11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.
  12. One may have a pause here and take note that the internal structure of self-referral domain acquires values because of creative dimensional order (4-space as dimension of 6-space) and because of transcendental dimensional order (5-space in the role of dimension).
  13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.
  14. It would be a blissful exercise to chase internal structures of self-referral domain firstly in terms of creative dimensional frame of 6 dimensions, and there after further have a chase a transcendental dimensional order of 6 dimensions.
- imbibe the above formats features and values.
  4. One may have a pause here and take note that the point of 6-space domain with a transcendental window deserves to be glimpsed and to be chased for its structure.
  5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and value.
  6. It would be a very blissful exercise to glimpse and chase self-referral domain with more than 1 transcendental window.
  7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.
  8. It would further be a very blissful exercise to chase happening of dynamic state for remaining boundary components after take-off of one or more boundary components.
  9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.
  10. It would further be a very blissful exercise to glimpse and to chase happening of take off component of boundary of a boundary.
  11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and

### LESSON-86

#### SELF-REFERRAL DOMAIN WITH A TRANSCENDENTAL WINDOW

1. With a take-off of a transcendental boundary components, there stands creative a transcendental window for the self-referral domain.
2. Through this window happens to be a two way flow for the transcendental carriers.
3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and

## Transcendental content

imbibe the above formats features and values.

12. It would further be a blissful exercise to glimpse and to chase Sathapatya measuring rods formats parallel to the values of coordinates for fixation of the boundary components present and intact as a boundary fold set up.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above formats features and values.



### LESSON-87

#### CREATOR ORDER FLOW FROM TRANSCENDENTAL WINDOW

1. With a strip off of transcendental boundary component, the outer space is formatted for transcendental carrier (5-space) in dynamic state.
2. The self-referral domain of creator order, with opening of transcendental window, flows out as of a format of 4 folds manifestation layer (2, 3, 4, 5) of hyper cube 4 for carrying self-referral domain.
3. The summation value =  $(2 + 3 + 4 + 5) = 14$ , parallel to the quadruple dimensional frame of (2, 3, 4, 5 spaces), carries self-referral domain along all these  $(2 + 3 + 4 + 5) = 14$  dimensional flow lines.
4. This way, as many as  $14A^6$  values structure stand carry out.
5. One may have a pause here and take note that value  $14A^6$  is value of the boundary fold of unity state domain ( $A^7$ ).
6. One may further have a pause here and take note that the transcendental boundary component with it take of as structured outside outer space as unity state domain format ( $A^7$ ).
7. With it the creator order flow from within self-referral domain through it transcendental window gets placement at the boundary of unity state domain ( $A^7$ ).
8. One shall sit comfortably and to glimpse and imbibe above phenomenon of creative order flow through the transcendental window of self-referral domain.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.
10. It would be a blissful exercise to further glimpse the phenomenon of solid order flow from the transcendental domain through its creative window created with strip off of creative boundary component from the creative boundary of transcendental domain.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.
12. One may further glimpse the spatial order flow within creator's space through its solid window created by strip off of solid boundary component from the solid boundary of creator's space.

13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.
14. It would be a blissful to glimpse sequential flow out from the given domain through its window and a step head through the window of boundary fold (as domain) itself and the steps to continue till the reach up-till 2-space playing the role of boundary and permitting linear order window for flow out of zero order structure.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.



### LESSON-88

#### FLOW OUT THROUGH A PAIR OF TRANSCENDENTAL WINDOW

1. Self-referral domain with a pair of transcendental windows shall be permitting a flow out of creative order through either of these windows.
2. The creative order flow through a transcendental window leads to a phenomenon of out space getting structure along the format of hyper cube 7 accepting domain boundary ratio as  $a^7:14b^6$ .
3. With a creative order flow from a pair of transcendental windows, as such shall be leading to a pair of structural domains of format of hyper cube 7.
4. The availability of a pair of bodies domains of hyper cube 7 format, as such shall be bringing in the structural synthesis for a pair of manifestation layer Here of a transcendental dimensional order).
5. One may have a pause here and take note that fold wise synthesis of a pair of manifestation layers (5, 6, 7, 8) and (5, 6, 7, 8) shall be leading us to a four folds manifestation layer (7, 8, 9, 10) of hyper cube 9 format of unity state (7-space) dimensional order.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.
7. One may further glimpse and to reach at the features of flow from a pair of creative windows of a transcendental domain.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.
9. A step head, one shall glimpse and reach from a flow from a pair of solid window.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of *trans* and to glimpse and imbibe the above format feature and values.
11. It would be a blissful exercise to glimpse and reach at sequential flow from a pair of window of self-referral domain, then from a pair of

## Transcendental content

windows of transcendental domain and further from a pair of window of creative domain and so on.

12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
13. It would be a blissful exercise to sequentially glimpse and to chase a flow from a pair of window, a first step of  $n$  space domain, and second step from  $(N-1)$  space domain, and third step from  $(N-2)$  space domain and so on till the reach up-till 2-space domain.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
15. One shall evaluate one's comprehension of the above phenomenon.



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### FLOW OUT THROUGH TRANSCENDENTAL WINDOWS

This day the course focus is upon 'Flow out through transcendental windows'. It four folds aspects being taken up are as follows:

137. Flow out through triple transcendental window of self-referral domain.
138. Structural coordination for a pair of transcendental domain with single transcendental window.
139. Structure coordination between pair of self-referral domains each with double windows.
140. Coordination reach for single eye with orb of the sun.

The values being covered are to be taught as lessons numbers 89 to 92 to the students of 6-space Vedic Mathematics, Science & Technology. ■

### LESSON-89

#### FLOW OUT THROUGH TRIPLE TRANSCENDENTAL WINDOW OF SELF-REFERRAL DOMAIN

1. Flow out from triple transcendental windows of self-referral domain, as such shall be bringing us face to face with synthesis values of triple dimensions of (2, 3, 4, 5) spaces in the roles of dimensions, and in general it shall be bringing us face to face with the synthesis of triple dimensions of any dimensional order.
2. One may have a pause here and take note that the synthesis value of triples dimensions of any order is '6'.
3. It is this feature which deserves to be comprehended well for its complete appreciation as it is with its full imbibing that one may be acquiring proper insight and would attain appropriate enlightenment about this phenomenon of flow out from triples windows of all dimensional domains.
4. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values
5. Further, it would be a blissful to take note that in case of, self-referral as well synthesis values of triple dimensions comes to be '6'.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
7. One may have a pause here and take note that pair of self-referral dimensions leads to synthesis value  $(6, 6) = 8$  and triples self-referral dimensions lead to synthesis value  $(6, 6, 6) = 6$ .
8. One may have a pause here and take note that the synthesis value of single, double and triple self-referral dimensions leads to values triples (6, 8, 6).
9. Here would be relevant to take note that the when the space is approached with a Sathapatya measuring rod of transcendental domain to it cover up-till 5 steps and at the 6<sup>th</sup> step measuring rod is to be applied for the second time

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making 6<sup>th</sup> step as the first step of repeated application.

10. It would be a blissful to take note that it is pressured as enlightenment of Sri Mad Bhagwat Geeta that self-referral domain Lord (Krishna) is the first syllable.
11. It would be a blissful to take note that the transcendental code value in case of each of the values triples (Ek, akash, traya) / (one , space, three) is '8'.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
13. It would be a blissful exercise to specifically glimpse flow out from triple windows of transcendental domain.
14. Further one shall chase it in reference to creative domain.
15. In general, one shall chase in reference to n space domain.
16. Further it would be a blissful to chase the phenomenon sequentially beginning with N-space as first step (N-1) space, (N-1) as second step, (N-2) as third step.

■

### **LESSON-90** **STRUCTURAL COORDINATION** **FOR A PAIR OF** **TRANSCENDENTAL DOMAIN** **WITH SINGLE** **TRANSCENDENTAL WINDOW**

1. It would be a blissful to glimpse and to reach at structural coordination for a pair of transcendental domain with single transcendental window.

2. Let 'A' be the first self-referral domain with a single transcendental window.
3. Let 'B' be the second self-referral domain with a single transcendental window.
4. Let us glimpse a creative order flow from the window of self-referral domain 'A'.
5. Further, let us glimpse the flow of creative order from the self-referral domain 'B'.
6. Now, let us urge to reach at the structural coordination of creative order flow from window of self-referral domain 'A' with structural order flow from the window of self-referral domain 'B'.
7. One may have a pause here and take note that the placement of self-referral domain 'A' and self-referral domain 'B' entrance each other would be as that if domain 'A' is taken to be first, then domain 'B' becomes the second.
8. Likewise, if domain 'B' is taken first domain 'A' becomes the second.
9. Such placement brings in a pair of orientation difference but of equal values reach in both reach steps.
10. Let us take domain A being the first.
11. This will makes domain B as second.
12. The creative order flow from domain would be availing transcendental order within outer space (Here space in between domain A and B, being designated as the gaps space).
13. Likewise, the creative order flow from domain B will also be availing the transcendental order gaps space.



14. Let us have a pause here and take note that is shall be leading us to values triples (4, 5, 4) parallel to creative order and transcendental order of the gaps space, and the transcendental order of the gaps space and creative order of the second domain.
15. The summation value  $(4 + 5 + 4) = 13$  is parallel to transcendental code value of formulation Surya (Sun).
16. It is also parallel to transcendental code value of formulation Prakash (light / sunlight).
17. The values triple (4, 5, 4) further bring us parallel to the values format of release of transcendental origin from the creator's space (4-space in its 9<sup>th</sup> geometry) / 9<sup>th</sup> version of hyper cube 4, free of its all boundary components, making a geometries of zero signature 4-space geometry.
18. One may have a pause here and take note that this as such shall be bringing us face to face with the transcendental joint happening for such structural coordinating format.
19. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
20. Sadhakas fulfilled with intensity of urge to know and to explore further to transcendence through the limitation of this transcendental joint shall reach at structural coordination for a pair of domain with double windows.



## LESSON-91

### STRUCTURE COORDINATION BETWEEN PAIR OF SELF- REFERRAL DOMAINS EACH WITH DOUBLE WINDOWS

1. Self-referral domain 'A' with a pair of transcendental window shall be permitting structural flow creative order from each of its transcendental windows and same shall be leading us to a pair of unity state (7-space) structural set ups.
2. Similar structural set up will emerge from the second self-referral domain 'B' as well.
3. This in a way, amounts to a reach as a four steams flow in the outer space, with a pair of steam flow from each of domain.
4. Each of these quadruple streams is having a transcendental order format for flow of creative order creation there upon.
5. Creative order itself is of a spatial order, while transcendental order itself is of a solid order.
6. A step ahead, spatial order takes to zero order while solid order takes to linear order.
7. Form this stage onwards happen reversal of orientation as zero order takes to negative spatial order while linear order takes to negative linear order.
8. One may have a pause here and take note that the creative order inward transcendence is of steps of value (4, 2, 0, -2) while transcendental order as inward transcendence of value steps (5, 3, 1, -1).
9. One may have a pause here and take note that the above quadruple inward transcendence steps for both

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- creative and transcendence order of values steps (4, 2, 0, -2) and (5, 3, 1, -1) are having simultaneous reversal of orientation in both case as the 4<sup>th</sup> transcendence steps.
10. As such, the domain split spectrum for self-referral domain and its transcendental boundary makes it a reach of 5 steps for self-referral domain, and of 4 steps for the transcendental boundary, being of values steps (6, 4, 2, 0, -2 and (5, 3, 1, -1).
  11. One may have a pause here and take note that the initial flow of creative order along transcendental domain, in a way in its reversal of orientation becomes as of transcendental flow along the creative format.
  12. It is here where the spatial order of the four fold creation format of manifestation creation with transcendental origin goes into plays as that the reversal of orientation gets in distinguishably superimposed as  $(2 \times 2) = (-2) \times (-2)$ .
  13. In addition, the addition and minus operation as well get in distinguishably superimposed here as  $(2 + 2) = (2 \times 2)$ .
  14. Here it would also relevant to take note that in case of zero order as well there emerge singular feature as that  $(0+0) = (0 \times 0) = (-0) \times (-0)$ .
  15. One may have a pause here and take note that the difference between the features of spatial order and zero order is in case of zero order the value reach is zero during these addition, multiplication and reversal orientation operation come into play.
  16. However in case of spatial order, the value reach comes to be  $4 = (2 + 2) = (2 \times 2) = (-2) \times (-2)$ .
  17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values. ■

### LESSON-92 COORDINATION REACH FOR SINGLE EYE WITH ORB OF THE SUN

1. Sadhakas fulfilled with intensity of urge to know and to explore further the coordination of single eye with the orb of the sun shall avail the format of structural coordination of a pair of self-referral domains with single transcendental window.
2. A step ahead, to transcendence through the transcendental joint of such coordination one shall avails the structural coordination format of a pair of self-referral domains with a pair of transcendental window each.
3. It shall be bringing us face to face with a reach for the gaps space in terms of a quadruple flow stream of creative orders from within self-referral domains.
4. This shift from the single windows flow coordination to a pair of windows flow coordination, in a way been taken a shift from the format of '**Charn Chakshu**' (physical eye) to '**Gyan Chakshu**' (knowledge eye).
5. One may have a pause here and take note that transcendental code value

- of formulation '**Charn Chakshu**' comes to be  $(15 + 13) = 28$ .
6. The transcendental code value of formulation '**Gyan Chakshu**' comes to be  $(21+13) = 34$ .
  7. A step ahead, the structural coordination take reach of triple eye lead to a reach as of '**Divya Chakshu**' of transcendental code value  $(17 + 13) = 30$ .
  8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
  9. To attain the order of '**Divya Chakshu**', Sadhakas shall acquire the potentialities of glimpsing and complete imbibing of the features, values and virtues of structural coordination of a pair of self-referral domains with, each triple transcendental window.
  10. For this potentialities one shall have a sequential reach of structural coordination of creative order flow from a pair of self-referral domains with single window, and at next phase through double window and there-after through triple window set up for a pair of self-referral domains.
  11. The structural acquire by the gap space during such coordination of 3 folds creative order emanation form each of the pair of self-referral domains equipped with triple transcendental window each, shall be glimpsed and be reach at to evaluate one's comprehension and imbibing this phenomenon.
  12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
  13. One shall regularly update one's dictionary of one's evaluation of one's comprehension and imbibing of the values and virtues of above phenomenon of gap space being fulfilled with structure of creative order flow through triple transcendental window for a pair of self-referral domains, each equipped with triple transcendental window.
  14. The focus here is upon the features values and virtues of the structure acquired by gap space during such coordination of self-referral domains of the set ups of triple transcendental windows. ■

### 3 POINT FIXATION OF SOLID DIMENSIONAL ORDER

This day the course focus is upon '3-point fixation of solid dimensional order'. It four folds aspects being taken up are as follows:

141. 3 point fixation of solid dimensional order.
142. Let us glimpse format features and values of formulations Aatma, Mann, Disha and Kaal.
143. Reach from discrete to continuity along the format of Asht Prakarti (8 fold nature).
144. Number value 20.

The values being covered are to be taught as lessons numbers 93 to 96 to the students of 6-space Vedic Mathematics, Science & Technology.

### LESSON-93

### 3 POINT FIXATION OF SOLID DIMENSIONAL ORDER

1. Solid dimensional order is a set up of triple linear dimensions.
2. 3 dimensional frames with its origins and centre of the cube split each axis into a pair of half's.
3. This results into a split of a 3 dimensional frames into a pair of 3 dimensional frames of half dimensions.
4. Points at equal distance from the origin along 3 axes of a dimensional frames of half dimensions, fix this 3 dimensional frames of half dimensions.
5. Likewise the other 3 dimensional frames of half dimensions, as well gets fixed in terms of 3 points at equal distance along its 3 axes.
6. This in a way leads to a set of 7 points (3 points contributed by first frame, 3 points contributed by second frame and 1 point contributed by origin) for fixation of a 3 dimensional frames of full dimensions.
7. Taking split of a 3 dimensional frames into a pair of 3 dimensional frames of half dimensions with both of dimensional frames of half dimensions being complete set up in themselves having fixation in terms of 3 points will make total requirement of 6 point fixations, instead of the start with 7 point fixations for the dimensional frame of full dimensions.
8. Here, it would also be relevant to take note that cube with hyper cube 3 is accepting spatial boundary of 6 surfaces.
9. One may have a pause here and take note that requirement of 6 points for fixation and the emerging 6 surface plates and also 6 half dimensions, will bring to the coordination of value as points, as half axis and as 6 surface plates.
10. It is this parallel values feature for points, lines and surfaces which deserves to be comprehended well reach from value 7 to value 6 as triples values 6 and the sequential progressive values triple points, triple lines and triple surfaces as triple axes of (0, 1 and 2) dimensional orders.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged

sitting of trans and to glimpse and imbibe the above formats features and values.

12. One may have a pause here and permit the transcending mind to glimpse the structural domain of points which simultaneously keep equal distance from the triple axes of the solid dimensional order format for each of the five solid dimensions of a transcendental domain dimensional frame.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
14. It would be blissful to take note that above features shall be making out a domain fold for representative regular body of 5-space as that all such points of transcendental domain keeping equal distance from all the 3 x 5 linear dimensions of dimensional frame of 5 solid dimensions.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.



### LESSON-94 LET US GLIMPSE FORMAT FEATURES AND VALUES OF FORMULATIONS AATMA, MANN, DISHA AND KAAL

1. Quadruple formulations (*aatma* / sole, *mann* / mind, *disha* / direction and *kaal* / time).

2. Deseve to be reach at the format, features, values and virtues of the space contents manifesting parallel to format, features, values and virtues of these quadruples formulations.
3. For it, first of all, let us reach at the transcendental code value accepted by these formulations.
4. These quadruples formulations accept transcendental code values parallel to quadruple values (17, 19, 12, 9).
5. The pair of values (17, 19) is parallel to pair of placement values of northern and southern hemisphere of our solar universe.
6. It would further be relevant to take note that value 19 is parallel to the values format of the unity state origin release from the self-referral domain dis-integrating as a pair of self-referral domains parallel to which is the values triples (6, 7, 6).
7. One may have a pause here and to glimpse and imbibe the above state of release of unity state origin from the self-referral domain and to comprehend and to appreciate the format features, values and virtues of value 19 as the value of placement of southern hemisphere.
8. Further the format of a pair of values (17, 19) as of (dimension, domain) will bring us face to face with the format features, values and virtues of value 17 as the placement value of southern hemisphere.
9. One may further have a pause here and take note that there are ten directions but the formulation '*disha*' is accepting transcendental code value 12.

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10. One may further have a pause here and take note that the difference value  $2 = (12 - 10)$  is parallel to the difference value 2 is boundary components of 6-space and the boundary components of 5-space.
11. Further as that, the difference of value of domain fold and dimension fold as well is '2'.
12. As such, the reach from the boundary of 5-space to boundary of 6-space is the '*disha*' of progressive reach.
13. One may have a pause here and to permit the transcending the mind to comprehend and imbibe the direction for the sequential progression for the reach from the boundary of N space to the boundary of N+1 space.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. Further, let us chase the domain split spectrum which shall for the first three steps shall be taking us to spectrum entities (1, 2, 5) of summation value  $(1 + 2 + 5) = 8$  and their binding string of split as the '*kaal*' / time, the duration of sequential reach (will make value 9 parallel to the transcendental code value of formulation '*kaal*').
16. Further, it also would be blissful that the transcendence with the transcendental domain is of the value triple (1, 3, 5) of summation value 9 which is further parallel to the dimensional value of solid order

dimensional frame of 5-space.



### LESSON-95 REACH FROM DISCRETE TO CONTINUITY ALONG THE FORMAT OF ASHT PRAKARTI (8 FOLD NATURE)

1. Vedic systems accept transcendental code value for Ek (1) as well as for Akash (space) and also for Traya (3) as '8' in each case.
2. Number value 8 accepts re-organization as  $8 = 2^3$  which is second member of cube sequence  $(1^3, 2^3, 3^3, 4^3 \dots)$ .
3. The pair of discrete and the space gap in between, as triple placement of beginning middle and end being of same value.
4. It is this feature of attaining equal value for beginning, end and for the middle, which leads from discrete to continuity.
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
6. One may have a pause here and take note that the cube permits split into 8 sub cubes parallel to the split of 3-space into 8 octants.
7. It would be blissful to take note that internal structure of cube (domain / volume) is of features permitting approach in terms of a 3 dimensional frame of linear dimensions, as well as in terms of a dimensional frame of 3 spatial dimensions.

8. It is this feature of simultaneous availability of a 3 dimensional frame of linear dimensions and a 3 dimensional frame of spatial dimension, which parallel to it takes us to a pair of values ( $1^3, 2^3$ ).
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. One shall further have a pause here and take note that 4-space plays the role of origin of 3-space.
11. Further as that, 4-space is a spatial order space and it makes available, a pair of unit '2 as 1 and 1 as 2' leading to '1/2' as a working unit.
12. With '1/2' as working unit, the space gap of number value sequence (1, 2, 3, 4, 5 ...) permits its transition and transformation into values sequence (1, 3/2, 2, 5/2, 3 ...).
13. Further the availability of a pair of such values sequences the same shall be leading us to a values sequence (2, 3, 4, 5, 6, 7 ...)
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. It would be a blissful to take note that above feature leads us from value sequence (1, 2, 3, 4, 5 ...) to value sequence (2, 3, 4, 5, 6 ...) and parallel to it, there is a transition and transformation from liner order set up to a spatial order set up.
16. It would be blissful to take note that the transition forms of 3-space the

role of domain to the role of boundary makes it a set up of 8 cubes which gives a reach from discrete to continuity along the format of 'Asht Prakarti' (8 fold nature). ■

### LESSON-96 NUMBER VALUE '20'

1. Number value 20 is structurally very rich.
2. Transcendental code value '20' is of formulation 'Ved'.
3. It is also the transcendental code value of formulation dev.
4. Number value 20 is the synthesis value of a pair of zero order transcendence ranges (0, 1, 2, 3, 4) and (0, 1, 2, 3, 4).
5. Number value '0' and parallel to it zero space and further zero space in the role of dimension of 2-space of the features which deserves to be comprehended well.
6. Zero value parallel to it zero space brings value zero as 'whole number', and zero space, a dimensional space.
7. 2-space makes a spatial order of creator's space (4-space).
8. One may have a pause here and take note that value zero, as well as value 2 have parallel feature, as under:
  - i.  $(0 + 0) = (0 \times 0) = (-0) \times (-0)$ .
  - ii.  $(2 + 2) = (2 \times 2) = (-2) \times (-2)$ .
9. These parallel feature of number value zero and number value 2 make number value '20' being unique.
10. Further, number value '02' make a reflection pair with number value '20',
11. Still further, number value '02' also makes a reflection pair with '-02'.

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12. These values as makes as '20' being a special feature value.
  13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  14. It would be blissful to take note that number value (-02) is also the synthesis value of a pair of transcendence ranges of a negative spatial order.
  15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  16. It would be a blissful to take note that the domain split spectrum of triple split steps as of values (1, 2, 5, 12) makes a summation value  $(1 + 2 + 5 + 2) = 20$ .
  17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  18. Still further, it would be a blissful to take note that the summation value of synthesis value of single, double triple quadruple dimensions of same order, say (N) order comes to be  $[N + (N + 2) + 6 + (12 - 2N)] = 20$ .
  19. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  20. The organization of Arthrav Ved Samhita is of 20 Kandas.
  21. Yajur Ved Samhita is scripture of 40 Adhivas.
  22. Creative boundary of transcendental domain makes fixation as of  $(4 \times 5) = 20$  coordinates.
  23. Creative boundary of 10 components of transcendental domain accepts coordination in terms of 40 coordinates.
  24. Divya Ganga Parvaha through artifices of components of sole syllable of  $(9 + 7 + 3 + 1) = 20$  streams.
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25

**NUMBER VALUE 21, 22, 23, 24**

This day the course focus is upon 'Number value 21, 22, 23, 24'. It four folds aspects being taken up are as follows:

145. Number value 21.
146. Number value 22.
147. Number value 23.
148. Number value 24.

The values being covered are to be taught as lessons numbers 97 to 100 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-97**  
**NUMBER VALUE 21**

1. Rig Ved has 21 branches.
2. Sathapatya measuring rod presided by lord Vishnu is a synthetic set up of hyper cubes 1 to 6 'ment' for chase of self-referral domain (6-space domain).
3. Set up of hyper cubes 1 to 6 leads to  $(1 + 2 + 3 + 4 + 5 + 6) = 21$  number of dimensions.
4. Self-referral domain (6-space), in the role of dimension create Natural domain (Asht Prakarti / 8-space domain).
5. Self-referral dimensional order (6-space role of dimension of 8-space) give rise to measure (6 as 1 and 1 as 6).
6. Working with measuring unit (6 as 1 and 1 as 6) gives rise to single Rig Ved Samhita of integrated values of all the 21 branches of Rig Ved Samhita.
7. We are fortunate to have Shakala Rig Ved Samhita with us intact from its first syllable to its last (432000<sup>th</sup>) syllable.
8. With it, as the traditions go, we may presume that the seed values of Rig Ved are lively within this scripture and by approaching it the Vedic way, we may an liven of all the branches of Rig Ved.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. One may have a pause here and take note that Sathapatya Upved is the Upved of Rig Ved.
11. Sathapatya Upved settles Sathapatya measuring rod.
12. Chase along the format of Sathapatya measuring rod of the organization and knowledge of Shakala Rig Ved Samhita has the promise to lead us to the whole range of Rig Ved domain.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
14. Sadhakas fulfilled with intensity of urge to know and to explore further shall initiate oneself to glimpse and imbibe the values of organization and knowledge of Shakala Rig Ved Samhita.
15. One may have a pause here and take note that the knowledge and organization of knowledge run parallel to each other like pure and applied values run parallel to each other.

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16. As such, every Vedic scripture fully imbibes this feature.
17. It would be a blissful to take note that knowledge of the Shakala Rig Ved Samhita can be approach in terms of organization of this scripture, and further organization of this scripture can be approached in terms of knowledge of scripture, taking that, the knowledge and organization of scripture are complementary and supplementary of each other.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. It would be a blissful exercise to revisit number value 21 and to glimpse its value in terms of its organization.
20. It would be a blissful to take note that with choices from the range of value 1 to 21, the reach would be for value 21 in as many as  $2^{20}$  times.
2. Number value 22 marks its presence  $2^{21}$  times with choices from values range 1 to 22, of which one choice is the value 22 itself, the second would be  $22 = 1 + 21$  and finally the last  $2^{21}$  th choice would be  $22 = (1 + 1 + 1 + \dots + 1)$  (22 times value 1).
3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
4. It would be blissful to take note that (20, 22) pairing format is format of (dimension, domain).
5. Likewise the feature of pairing format for (22, 24).
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
7. It would be blissful that the hyper cube 45 shall be of  $(2 \times 22 + 1) = 45$  versions which accepts the organization as  $45 = (1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9)$ .



### LESSON-98

#### NUMBER VALUE 22

1. Number value 22 is parallel to summation value of four folds manifestation layer (4, 5, 6, 7) of hyper cube 6, the representative regular body of 6-space within 4-space manifesting along a format of Idol of Lord Brahma, creator the supreme and over Lord of 4-space and the presiding deity of measure of the Sathapatya measuring rod.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. Let us glimpse and imbibe the richness of the format of hyper cube 6 by approaching its each fold being the space content permitting transcendence to its dimensional order.

10. One may have a pause here and take note that 4-space is a spatial order space and representative regular body of 4-space is hyper cube 4 as a four folds manifestation layer (1, 2, 3, 4) of summation value 14.
11. A step ahead, 5-space is a solid order space and it creates in manifested form format of hyper cube 5 has a four folds manifestation layer (3, 4, 5, 6) of summation value 18.
12. 6-space with creative dimensional order creates a manifested form the format of hyper cube 6 as a four folds manifestation layer (4, 5, 6, 7) of summation value 22.
13. Finally, 7-space is of a transcendental dimensional order and the manifested creation of format of hyper cube 7 is a four folds manifestation layer (5, 6, 7, 8) of summation value 26.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. It would be a blissful to sequentially chase four folds of hyper cube 6 with each fold, itself being a four folds manifestation layer and thereby would emerge a range of as many as 16 folds which shall be permitting organization of the format of 4x4 grids.

■

**LESSON-99**  
**NUMBER VALUE 23**

1. Transcendental code value parallel to number value 23 brings us face to

- face with formulation **Sahasra** (thousand) and formulation **Aananta** (endless).
2. Further the pair of digit (2, 3) availed for value 23 and the sequence of their placement at unit and ten place values, further bring us face to face with transition phenomenon from spatial order set up to solid order set up.
  3. One may have a pause here and take note that the manifestation of solid order upon spatial order format of 4-space, in its reverse orientation amounts to solid order carrying spatial order during transcendence from solid order origin into spatial order of domain of 4-space.
  4. It leads to feature of superimposition of manifested fold set up.
  5. It shall be leading us to amongst others, one organization for number value 23 as  $23 = (3 + 5) + (3 \times 5)$ .
  6. This domain, dimension superimposition feature, in its generality, it leads us to value  $(N-2)+N+(N-2) \times N = N^2-2$ .
  7. One may have a pause here and take note that this reach for N-space to  $(N^2-2)$  as dimension, will lead to  $N^2$ , as domain.
  8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  9. It would be a blissful to reach at above features and values by putting values for N as  $N = (1, 2, 3, 4 \dots)$ .
  10. For facility of one's evaluate of one's comprehension of feature values the tabulating reach there

## Transcendental content

under for  $N = (1, 2, 3, 4, 5, 6, 7, 8, 9)$ :

S. No	N	$(N-2)+N$	$(N-2) \times N$	Value reach	Value reach +2
1	-	-	-	-	-
2	-	-	-	-	-
3	3	1x3	1+3	7	9
4	4	2x4	2+4	14	16
5	5	3x5	3+5	23	25
6	6	4x6	4+6	34	36
7	7	5x7	5+7	47	49
8	8	6x8	6+8	62	64

11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. It would be a blissful exercise to sequentially revisit above reach for the  $N^2$  domain value as a result of superimposition feature of dimension and domain.
13. It would be a blissful to glimpse and imbibe the rich for  $n^2$  domain with  $N^2-2$  as its dimension.
14. In the context, it would be a blissful to glimpse and chase transition from  $N^2$  domain into  $(N+1)^2$  domains.
15. One shall sit comfortably and permit the transcending mind to

continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

16. It would be a blissful to glimpse square domain in the role of dimension.

■

### LESSON-100 NUMBER VALUE 24

1. Number value 24 is parallel to dimensional value of 6 creative order dimensions constituting a creative dimensional frame for self-referral domain.
2. Number value 24 accepts the organization as:
  - i.  $24 = 2 \times 12 = 3 \times 8 = 4 \times 6$ .
3. These triple organizations of value 24 sequentially accept (2, 3, 4) as its proper factors.
4. One may have a pause here and take note that as 4-space is a spatial order space, as such creative dimension (4-space as dimension) shall be leading to 2-space as dimension of dimension of 6-space.
5. It has such shall be leading us to values triple 2, 4, 6 of summation value 12 and of product value 48 and both leading to grand summation value  $12 + 48 = 60$  which is parallel to  $12 \times 5 = 60$  coordinate fixation of the transcendental boundary of 12 components of self-referral domain.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

7. In general, it lead us to value  $(N) \times (N-2) \times (N-4) + (N) + (N-2) + (N-4) = (N^3 - 6N^2 + 8N) + (3N - 6) = (N^3 - 6N^2 + 11N + 2)$ .
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. It would be a blissful exercise to chase above feature and its value for  $N = (1, 2, 3, 4, 5, 6, 7, 8, 9)$ .
10. For facility of evaluation one's comprehension about its feature and value, tabulation is being drawn here under:

N	$N \times (N-2) \times (N-4)$	$N+(N-2)+(N-4)$	Total
1	-	-	-
2	-	-	-
3	-3	3	0
4	0	6	6
5	15	9	24
6	48	12	60
7	105	15	120
8	192	18	210
9	-	-	-

11. One shall sit comfortably and permit the transcending mind to

- continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. It would be a blissful to revisit the range of above total values for  $N = (1, 2, 3, 4, 5, 6, 7, 8, 9 \dots)$
13. The values range  $(\dots, 60, 120, 210, \dots)$  has a definite sequential progression rule which deserves to be comprehended well in terms of value unit 30 which is the summation value of four fold manifestation layer of hyper cube 7.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.



26

**NUMBER VALUES 25, 26, 27, 28**

This day the course focus is upon ‘Number value 25, 26, 27, 28’. It four folds aspects being taken up are as follows:

- 149. Number value 25.
- 150. Number value 26.
- 151. Number value 27.
- 152. Number value 28.

The values being covered are to be taught as lessons numbers 101 to 104 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-101  
NUMBER VALUE 25**

1. Number value 25 is a square value ( $5^2$ ).
2. Number value 25 is parallel to transcendental code value 25 of formulation ‘*Parthvi*’ (earth), as well as of formulation Vishnu (over lord of 6-space).
3. Formulation *Parthvi* is composition of 3 syllables of transcendental code values triple (9, 7, 9).
4. One may have a pause here and take note that it is of reverse orientation of value triple (-9, -7, -9) and the same is parallel to the synthesis value reach  $(-9, -9, -9) = (-7)$ .
5. Formulation Vishnu is a composition of a pair of syllable of transcendental code values pairs (9, 16).
6. The values pairs (9, 16) accepts re-organization as  $(3^2, 4^2)$ .
7. It would be blissful to take note that  $(3^2 + 4^2) = 5^2$  is a values triples of the format of right angle triangle of sides of values triples (3, 4, 5).
8. It would further be blissful to take note the area of said triangle is of ‘6 units’.
9. It would further be blissful to take note that quadruple values (3, 4, 5, 6) are parallel to four folds manifestation layers (3, 4, 5, 6) of hyper cube 5, the representative regular body of 5-space with self-referral origin.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
11. It would be a blissful exercise to chase value pairs (23, 25) along the format of (dimension, domain).
12. Still further, it would also be blissful to chase value pairs (25, 27) along the format of (dimension, domain).
13. Still further it would be blissful to take note that value pairs (25, 27) accepts to re-organization as  $(5^2, 3^3)$ .
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. Still further, it also would be a blissful exercise to chase square value 25 as the summation value of Divya Ganga flow (9, 7, 3, 1) together with the gaps space fulfilled with value  $1 \times 5$ .
16. It would further be a blissful exercise to chase the square 25 as a range (1, 2, 3, 4, 5, 4, 3, 2, 1).

17. Still further it would be a blissful exercise to chase value 25 as a range of 25 points range accepting 24 gaps and these together making a set up of  $25 + 24 = 49 = 7^2$  structures and there being a reach from  $5^2$  to  $7^2$ .
18. In the context it would be relevant to take note that Divya Ganga Parvaha (11, 9, 5, 3) together with gaps space at the middle with being filled with the value  $(3 \times 7)$  makes it a summation value  $49 = 7^2$ .
19. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
20. It would be a blissful to take note that *Parthvi* (earth) to *Surya* (sun) is a 6 steps long range (earth, water, air, space, sun and lord Vishnu is the over lord of 6-space and sun is the 6-space body, both end values with acceptance of equal value (25) makes the range being self-referral having superimposition for both orientations.

### LESSON-102

#### NUMBER VALUE 26

1. Number value 26 is parallel to summation value of four folds (5, 6, 7, 8) of hyper cube 7, the representative regular body of unity state space (7-space).
2. The reach of this transcendental order format is up-till the natural origin (8-space) in the role of origin.
3. One may have a pause here and take note that with dis-integration of the unsealed 7-space domain, there happens to be a release of 8-space origin.
4. With it, there emerges an origin release state of value triples (7, 8, 7) of summation value  $(7 + 8 + 7) = 22$  parallel to the summation value of four folds (4, 5, 6, 7) of hyper cube 6.
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
6. One may have a pause here and take note that the dis-integration of N-space domain in its unsealed state and release of  $(N+1)$  origin makes a release state of value triples  $(N, N+1, N)$  of summation value  $(3N+1)$ .
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
8. It would be a blissful exercise to chase above origins release state of unsealed dimensional domains for all of value of N and which come to be (4, 7, 10, 13, 16 ...).
9. One shall revisit the above values sequence and to glimpse and imbibe the sequential reach from 1-space to 2-space to 3-space and so on.
10. It would be a blissful to take note N = 4 and N = 5 give rise to a pair of values (13, 16) which is parallel to the range of 16 Ganita Sutras and 13 Ganita Upsutras.
11. One shall sit comfortably and permit the transcending mind to

## Transcendental content

continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

12. It would further be blissful to take note that value pair (13, 16) with their triple value formats (4, 5, 4) and (5, 6, 5) will help us acquire insight of the organization format of Ganita Sutras and Ganita Upsutras.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
14. It would be a blissful exercise to sequentially chase values range (2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42) being parallel to summation of four folds of hyper cubes (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11).
15. Here it would also be a relevant to take note reach at 11 step at value 42 is parallel to the synthesis value of a pair of transcendence ranges of spatial order (2, 3, 4, 5, 6) and (2, 3, 4, 5, 6).
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

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### LESSON-103

#### NUMBER VALUE 27

1. Number value 27 as a range of 27 points accepts 26 gaps and these both arrangements together make a set up of structural value 53 which is parallel to the set up of a solid order transcendental domain.
2. It would be a blissful to take note that number value 53 is parallel to synthesis of a pair of solid order transcendence ranges (2, 3, 4, 5, 6, 7) and (3, 4, 5, 6, 7).
3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
4. Still further, it would also be blissful to glimpse and to chase number value  $27 = 3^3$ , parallel to the dimensional value of a 3 dimensional frame of 3 solid dimensions.
5. The summation and product values ( $3 + 3 + 3$ ) and ( $3 \times 3 \times 3$ ) together lead to value  $(9 + 27) = 36$ .
6. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the values equations:  
 $(3 + 3 + 3) + (3 \times 3 \times 3) = 36$   
parallel to its geometric format of solid dimensions frame.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
8. One may have a pause here and take note that dimension fold itself, infect is the domain fold of its own dimensions.
9. Further as that, the transcendental values equation:  
 $TCV (Ek) = TCV (Akash) = TCV (Traya)$ , as well focus upon the



domain in its role is to be glimpsed for its format as a domain. ■

10. Value 36 with its pair of digit (3x6) of the format of a pair of 3 dimensional frame of half dimensions of opposite orientation acquire value 3 and 6 because of the placement of linear and spatial set ups segregation because of the release of origin of 3 dimensional frame of full dimensions.
11. One may have a pause here and take note that value  $3 = (1/1 + 1/1 + 1/1) = (2/2 + 2/2 + 2/2)$ , deserves to be glimpsed and to be imbibed for their structural format, features and values.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
13. It would further be very blissful to glimpse and imbibe the structural formats, features and values of the structural entities of the values sequence:  
( $1/1 + 1/1 + 1/1, 2/2 + 2/2 + 2/2, 3/3 + 3/3 + 3/3, 4/4 + 4/4 + 4/4 \dots$ ).
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. Number value 27 is structural very rich and along the artifices and values of number value 27 is being chased solar universe as a set up of 27 **Nakshatras**.

## LESSON-104 NUMBER VALUE 28

1. Number value 28 is the perfect number.
2.  $28 = (1 + 2 + 4 + 7 + 14)$  with (1, 2, 4, 7, 14) being the only five proper divisors of 28, makes number value 28 being structurally very rich.
3. With formulation **Brahm** accepting transcendental code value 28, the richness of number value 28 and the importance attached to it by Vedic system, as such becomes self evident.
4. Vedic system accepts number 6 as **Surya Ank** (number of sun).
5. Vedic Mathematics, Science & Technology fully chases for the rich from **surya** (6) to **brahm** (28), range of rich from first perfect number (6) to second perfect number (28).
6. Vedic knowledge system sequentially chased further up-till third perfect number 496 and makes a system for processing further and further.
7. It would be a blissful to take note that value range 1 to 10 accepts single perfect number (6).
8. Value range (1 to 100) accepts a pair of perfect numbers (6, 28).
9. Value range (1 to 1000) accepts triple perfect numbers (6, 28, 496).
10. Number range (1 to 10000) accepts quadruple perfect number (6, 28, 496, 8128).
11. This takes to quadruple values ranges and availability of quadruple perfect numbers (6, 28, 496, 8128), accepting (3, 5, 9, 13) proper divisor with (3, 7, 31, 127) as the biggest prime proper divisors.

## Transcendental content

12. Vedic knowledge system structure out chase step for *Aanant* / endless reach as sashtra (1000) artifices set ups for one thousand braches of Sam Ved. ■
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
14. It would be a blissful chase for the structural organization of value  $21 = (10 + 01 + 10)$  for 21 branches of Rig Ved.
15. Further  $101 = (10 \times 10 + 01 \times 01)$  for 101 branches of Yajur Ved.
16.  $1000 = (10 \times 10 \times 10)$  for one thousand branches of Sam Ved.
17.  $9 = (10 - 01)$  for 9 branches of Athrav Ved.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. Sadhakas fulfilled with intensity of urge to know and to explore further about Vedic knowledge systems and Vedic knowledge organization shall initiate themselves beginning with Vedangas which are 6 in number namely Shiksha, Vyakarn, Nirukate, Nighantu, Jyotish and Kalp.
20. One shall further initiate oneself for parallel processing of Yoga Nishtha and Sankaya Nishtha.
21. Further one shall initiate to transcendence and to glimpse and imbibe the values and virtues of transcendental domain (5-space) as '*Brahm*'
22. A step ahead, one is to reach form *Brahm* to *Brahma*.

27

**NUMBER VALUE 29, 30, 31, 32**

This day the course focus is upon 'Number value 29, 30, 31, 32'. It four folds aspects being taken up are as follows:

- 153. Number value 29.
- 154. Number value 30.
- 155. Number value 31.
- 156. Number value 32.

The values being covered are to be taught as lessons numbers 105 to 108 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-105****NUMBER VALUE 29**

1. Lord Brahm is the creator's supreme.
2. Lord Brahma is the over Lord of 4-space.
3. Features and values of Idol of Lord Brahma settle the features of format for manifested creations.
4. This format is parallel to the format features and values of hyper cube 4, a four folds manifestation layer (2, 3, 4, 5) of summation value.
5. Value 14 is the value of gaps of 15 points range of a solid dimensional frame of 5-space.
6. This makes a set up of value 29.
7. Formulation Brahma accepts 29 as transcendental code value.
8. Formulation 'Trimurti' as well accepts transcendental code value 29.
9. Formulation 'Vyanjan' also accepts transcendental code value 29.
10. Formulation 'Ardh Matra' as well accepts transcendental code value 29.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. It would be a very blissful exercise to tabulate formulation accepting transcendental code value 29.
13. It would further be very blissful to glimpse and imbibe 28 gaps spaces of 29 points range as of a format of interrelationship of values and virtues of Brahm and Brahma.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. It would be a blissful exercise to glimpse and to chase domain split spectrum as its fourth split being of 29 entities of (N-8) domains set ups.
16. One shall sit comfortably and sequentially glimpse and to chase split for N-space domain at first split stage as of 2 entities of (N-2) space domain.
17. At second step, spectrum would be of 5 entities of (N-4) space domain.
18. At third split step, spectrum would be of 12 (12 of N-6) space domain.
19. It is the fourth split step that the spectrum would be of 29 entities of n-8 space domain.
20. It would further be a blissful exercise to glimpse and imbibe the organization values of Sam Ved

## Transcendental content

Samhita being a scripture of 29 archiks.

21. Further, it would also be a blissful exercise to glimpse and to imbibe the value and virtues of chapter 5 of Sri Mad Bhagwat Geeta being a scripture of 29 shalokas.
22. Further, it also would be a very blissful exercise to glimpse and to imbibe the above organization feature of 13<sup>th</sup> chapters of Sri Mad Durga Sapt Sati being a scripture of 29 *shalokas*, *ardh shalokas* and *uvachas*.
23. One shall up-date one's dictionary regarding feature and values of number value 29.



### LESSON-106 NUMBER VALUE 30

1. Number value 30 is parallel to summation value of four folds manifestation layer (6, 7, 8, 9) of hyper cube 8.
2. Number value 30 is also parallel to transcendental code value 30 of formulation Samhita.
3. It also would be blissful to take note that cube with sealed origin is a structural set up of 30 components (8 corner points, 12 edges, 6 surfaces, 1 volume and 3 axes).
4. Number value 30 makes a reflection pair (30, 03) with number value 03.
5. It would be blissful to glimpse and to chase values equations  $(30 + 03) = 33$  and  $(30 - 03) = 27$  in reference to their geometric formats.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
7. It would be a blissful exercise to chase internal structural of the cube (volume) in terms of 3 dimensional frames of linear, spatial and solid dimensions.
8. Further, it also would be a blissful exercise to glimpse and to imbibe the reach for the outer space of the cube in terms of eight 3 dimensional frames of half dimensions and of linear, spatial and solid orders.
9. One may have a pause here and take note that in each of the corner points of a cube is embedded a 3 dimensional frame of half dimensions of inward orientation.
10. The second half of said 3 dimensional frame is un-manifests form as the outside space is of a compactified state of 4 and higher dimensional set ups.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. Here it also would be relevant to take note that inner space of cube (volume) accepts quadruple diagonal, pair wise coordinating all the 8 corner points of the cube.
13. Further as that, these diagonals play the role of translation path for the 3 dimensional frames embedded in the corner points / end points of the diagonals.
14. The phenomenon of collapse of the structural set up of the cube at the centre of the cube happen to be the manifestation of solid boundary for

the creator's space (4-space) as its point value at the seat of centre of the cube itself, which otherwise is also the seat of the origin fold of hyper cube 3. The transcendence permissible at the origin fold takes to transcendental domain (5-space) of a solid dimensional order accepting a solid dimensional frame of 5 solid dimensions.

15. It would be a blissful to take note that quadruple pairs of 3 dimensional frames of half dimensions on their inward translation along the quadruple diagonals, with their reach at the centre result into a synthesis of quadruple 3 dimensional frames of full dimensions and same along with the 3 dimensional frame of full dimensions already available with origin at the centre makes a format parallel to the format of a solid dimensional frame of 5 dimensions for the transcendental domain.

### LESSON-107

#### NUMBER VALUE 31

1. Number value 31 is parallel to synthesis value 31 of a pair of linear order transcendence ranges (1, 2, 3, 4, 5) and (1, 2, 3, 4, 5).
2. Further it also would be blissful to take note that the structural set up of a linear order hyper cube 3 is of 31 components (8 corner points, 12 edges, 6 surface, 1 volume, 3 axes and 1 origin).
3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and

imbibe the above formats features and values.

4. Sadhakas fulfilled with intensity of urge to know and to explore further the distinguishing features of the formats availing manifestation of hyper cube 3 (cube) of its 30, 31 and 32 structural set up shall initiate themselves for Vaidanga Jyotish scripture of LagadhMuni.
5. One may have a pause here and take note that with transcendence at the centre of the cube, there would be reach within 4-space, with spatial order, hyper cube 4 being its representative regular body accepting solid boundary of 8 components which accepts fixation in terms of  $8 \times 4 = 32$  coordinates.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
7. It would be a blissful exercise to chase sorting of primes up-till numbers range (1-1000), with the help of prime up-till number value 31.
8. One may have a pause here and take note that  $31 \times 31 = 961 = (1000 - 39)$ , which brings in the number value 39.
9. One may have a pause here and take note that number value 31 makes a reflection value with number 13.
10. Further as that, number value 13 is parallel to the set up of 13 edged cube with-in 4-space domain of a solid order transcendental origin making the reach as of value  $13 \times 3 = 39$ .

## Transcendental content

11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values
  12. One may further have a pause here and take note that values range (31, 32, 33, 34, 35, 36, 37, 38, 39) is a 9 steps long range and the same is parallel to the chase for 4-space domain of 9 versions parallel to 9 geometries range of 4-space.
  13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  14. One may further have a pause here and take note that, a step ahead, there is reach from transition and transformation for the role of 4-space domain into 4-space boundary of 10 components of transcendental domain accepting coordination fixation in-terms of  $4 \times 10 = 40$  coordinate set ups.
  15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
- external ***devas*** and 13 internal ***devas***.
  2. It would be a blissful to take note that hyper cube 4 accepts solid boundary of 8 components which accepts fixation within 4 dimensional frames in terms of  $8 \times 4 = 32$  coordinates.
  3. Still further, it would be a blissful to take note that within 4-space domain, 12 edged cubes accept 13 edge formats for a degree of freedom of motion along the 4<sup>th</sup> dimension.
  4. One may have a pause here and take note that  $32 + 13 = 45 = (1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9)$ , which is parallel to value range 1 to 9 of 9 geometries of 4-space.
  5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  6. It would be a blissful to take note that choices from values range 1 to 6 lead to summation values six in, as many as 32 times.
  7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  8. Here it would be relevant to take note that 6-space accepts 4-space in the role of dimension and 4-space domain permits swap in terms of 13 edged cubes.
  9. Further as that, 6-space accepts 13 geometries range.
  10. One shall sit comfortably and permit the transcending mind to

### LESSON-108

#### NUMBER VALUE 32

1. Maansara, the scripture of Sathapatya Upved of Athrav Ved preserve the format features and values of 4-space domain as that it has 32

continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

transcendental origin of creator's space.



11. It would be a blissful to take note that the split of 4-space domain results into a release of transcendental origin and this makes a release state format being of value triples (4, 5, 4) of summation value 13.
12. One shall update one's dictionary about one's comprehension of the role of internal 13 Devas parallel to the organization of value  $32 = 13 + 19$  and the values range (13, 14, 15, 16, 17, 18, 19) is a 7 steps long range and value 19 is the placement value of southern hemisphere of our solar universe and this value take us to other side of the centre / transcendental origin seat.
13. It would be a blissful to take note that transcendental origin seat is of value  $(3 + 4 + 5 + 6) = 18$ , parallel to the summation value four folds manifestation layer (3, 4, 5, 6, 7) of hyper cube 5, the representative regular body of 5-space and its placement is at the middle space of northern and southern hemisphere of our solar universe.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. One shall glimpse and to chase above organizational features at the origin of 4-space and to up to date one's dictionary about one's comprehensions about the seat of

**NUMBERS VALUES 33, 34, 35, 36**

This day the course focus is upon 'Number value 33, 34, 35, 36'. It four folds aspects being taken up are as follows:

- 157. Number value 33.
- 158. Number value 34.
- 159. Number value 35.
- 160. Number value 36.

The values being covered are to be taught as lessons numbers 109 to 112 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-109  
NUMBER VALUE 33**

1. Number value 33 avails digit value 3 for both placement of place value organization set up for value 33.
2. Parallel to it is the placement of a pair of 3 dimensional frames of half dimensions of a 3 dimensional frame of full dimensions.
3. One may have a pause here and take note that origin of 3-space is 4-space.
4. It would be further relevant to take note that the synthesis value for a pair of solid dimensions is  $(3, 3) = 5$ .
5. It would further be relevant to take note that transcendence at 4-space origin leads to 5-space base (as domain) enveloped by creative boundary of 10 components.
6. It would be a blissful to glimpse and imbibe creative boundary of 10 components of transcendental domain being a format of 10 place value system.
7. It would be a blissful to glimpse parallel format features for place value systems organization of value '33', and of the organization format of a 3 dimensional frame as a set up of a pair of 3 dimensional frames (of half dimensions).
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. The triple value format (3, 4, 3) and 4-space as origin, during its release splitting, 3-space domain into a pair of 3-space domains sets the transcendence phenomenon in action and the 4-space domain accepts a Sathapatya measuring rod synthesized by hyper cubes 1, 2, 3, 4, parallel to which emerge quadruples values (1, 2, 3, 4) of summation value  $(1 + 2 + 3 + 4) = 10$
10. It would be a blissful to take note that the quadruples values (1, 2, 3, 4) and parallel to it the four folds mathematics layer (1, 2, 3, 4) of a linear order hyper cube 3 with spatial order 4-space shall be again leading to same split reach by way of transcendence and the process would go add-infinitum.
11. One shall have a pause here and permit the transcending mind to continuously remain in a prolonged sitting of trans and to glimpse and imbibe the format features and values of above split phenomenon for a 3 dimensional frame and parallel to it for artifices of number value 33.



12. The spatial order of 4-space of the origin of 3 dimensional frame, during split of 3-space domain shall be leading to the split format features of a paired pair of values (3, 4) and (4, 3).
13. One may have a pause here and take note that it brings us face to face with a reflection pair of value (34, 43) as a split of value 77.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. Sadhakas fulfilled with intensity of urge to know and to explore further shall chase double digit numbers of ten place value system organize along 9 x 11 grid and to have a chase of mirror line (11, 22, 33, 44) and (55, 66, 77, 88, 99) of the upper and lower part of the grid.



### LESSON-110 NUMBER VALUE 34

1. Number value 34 accepts re-organization as  $34 = (7 + 8 + 9 + 10)$ , which is parallel to four folds manifestation layer of hyper cube 9.
2. It would be a blissful to take note that  $34 = (4+6+4 \times 6)$ .
3. This interlocking of creative dimension and self-referral domain of hyper cube 6, on the one hand, one of the format of unity state order 7-space in the role of dimension of hyper cube 9 which deserves to be comprehended well and to be thoroughly imbibed.
4. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above interlocking of self-referral domain (6-space) and of Brahman domain (9-space).
5. One may have a pause here and take note that the transcendental carriers carry self-referral domain up-till orb of the sun, from where Brahman carrier take over.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
7. One shall sit comfortably and permit the transcending mind to fully glimpsed and to completely imbibed the above take-over of the Brahman carriers for its complete appreciation to acquire proper insight and to attain appropriate enlightenment of this phenomenon of take over the Brahman carriers.
8. With this comprehension, one shall be face to face with the unity state of the origin of self-referral domain.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. It shall further bringing us face to face with a pair of consecutive manifestation layer (1, 2, 3, 4) and (1, 2, 3, 4, 5) having transition along the transcendence range format (1, 2, 3, 4, 5).

## Transcendental content

11. It would be a blissful to take note that pair of manifestation layers (1, 2, 3, 4) and (2, 3, 4, 5) of summation values (10, 14) of grand summation value  $(10+14) = 24$  have additional value 9 over the summation value 15 of transcendence range (1, 2, 3, 4, 5).
12. It is this feature which deserves to be comprehended well for its fully appreciation.
13. A step head, one shall sequentially chase pair of manifestation layers  $(N, N+1, N+2, N+3)$  and  $(N+1, N+2, N+3, N+4)$  along the transcendence range  $(N, N+1, N+2, N+3, N+4)$ .
14. It shall be leading us to grand summation value for a pair of manifestation layer  $8N+16$  while the summation value of transcendence range comes to be  $5n+10$  leading to difference value  $3n + 6 = 3(N+2)$ .
15. One may have a pause here and take note that  $(N, N) = N+2$  is the synthesis value of pair of dimension of order N.
16. With it, the difference value  $3(N-2)$  shall be leading to a dimensional frame of 3 dimensions of value  $(N+2)$  each.
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
2. Further it also accepts organization as  $35 = (15 + 20)$ .
3. One may have a pause here and take note that value pairs (15, 20) lead to a pair of transcendence ranges (1, 2, 3, 4, 5) and (2, 3, 4, 5, 6).
4. One may have a pause here and take note that the transcendence range (1, 2, 3, 4, 5) accepts transition and transformation into transcendence range (2, 3, 4, 5, 6) along the self-referral range (1, 2, 3, 4, 5, 6).
5. One may further have a pause here and take note that the grand summation value for both transcendence ranges comes to be  $(15 + 20) = 35$ , while the summation value of self-referral range comes to be 21 leading to difference value  $(35 - 21) = 14$  which accepts re-organization as  $14 = (2 + 3 + 4 + 5)$ , which is parallel to four fold manifestation layer (2, 3, 4, 5) of hyper cube 4, the representative regular body of 4-space playing the role of dimension of 6-space domain which accepts Sathapatya measuring rod synthesized by hyper cubes 1 to 6.
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
7. It would be a blissful exercise to chase above phenomenon of a pair of consecutive transcendence range transition and transforming over the format of a self-referral range.
8. Pair of consecutive transcendence range  $(N, N+1, N+2, N+3, N+4)$  and  $(N, N+1, N+2, N+3, N+4,$

### LESSON-111

#### NUMBER VALUE 35

1. Number value 35 accepts organization as  $35 = (5 \times 7)$ .

$N+5$ ) lead to grand summation value  $5N + 10 + (5N + 15) = (10N + 25)$ .

9. Self-referral range ( $N, N+1, N+2, N+3, N+4, N+5$ ) is of summation value  $(6N + 15)$ .
10. This leads to difference value  $(4N + 10)$ .
11. The value  $(4N + 10)$  accepts re-organization as  $(N+1) + (N+2) + (N+3) + (N+4)$ , which is parallel to four folds manifestation layer ( $N+1, N+2, N+3, N+4$ ) of hyper cube  $N+3$ .
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
13. It would be a blissful exercise to sequentially chase above transition and transformation phenomenon of a pair of consecutive transcendence ranges over a self-referral range.
14. Let this sequential phenomenon the chase step by step for values of  $N = (1, 2, 3, 4, 5, 6 \dots)$ .
15. Sadhakas fulfilled with intensity of urge to know and to explore further shall take up a phenomenon of transition for a pair of self-referral ranges over a unity state range.
16. Even one can take up study further unity state range, natural state ranges and also for Brahman state ranges and to have a comprehensive view of this sequential transition and transformation for consecutive ranges of same order over the higher order range.

■

## LESSON-112 NUMBER VALUE 36

1. Number value 36 is of a square format ( $6^2$ ).
2. Square is hyper cube 2.
3. It has a dimensional frame of a pair of axis.
4. It makes a spatial order.
5. Spatial order marks its presence as dimensional fold of 4-space and dimension of dimension fold of 6-space.
6. The reach along a pair of axes of self-referral range of 6 steps shall be making available pair of range  $(1, 2, 3, 4, 5, 6)$  and  $(1, 2, 3, 4, 5, 6)$ .
7. Along each of such a range, they shall be happening a transition and transformation for a pair of transcendence ranges.
8. This way, both self-referral ranges shall be simultaneously sustaining transition and transformation for a pair of transcendence ranges.
9. This way a pair of paired transcendence ranges of same order within each pair, but quadric other the order would be consecutive.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
11. Let us a pair of transcendence range  $(N, N+1, N+2, N+3, N+4)$  and  $(N, N+1, N+2, N+3, N+4)$  along first axis, and as well as along second axis for the next consecutive order transcendence ranges  $(N+1, N+2, N+3, N+4, N+5)$ .
12. One shall sit comfortably and permit the transcending mind to

## Transcendental content

continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

13. One shall chase above organization for values  $N = (1, 2, 3, 4, 5, 6, 7\dots)$ .



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**NUMBER VALUES 37, 38, 39**

This day the course focus is upon 'Number value 37, 38, 39'. It four folds aspects being taken up are as follows:

161. Number value 37.
162. Number value 38.
163. Number value 39.
164. Sole syllable Om.

The values being covered are to be taught as lessons numbers 113 to 116 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-113****NUMBER VALUE 37**

1. Value triple (37, 38, 39) and values quadruples (37, 38, 39, 40) and further value ranges (37, 38, 39, 40), (37, 38, 39, 40, 41) and so on deserves to be chased sequentially and in continuity of value pairs (36, 37) and value 36.
2. Likewise beginning with any number value, say 37, they can be sequentially chase, [37, (37, 38) (37, 38, 39), (37, 38, 39, 40)], and so on.
3. Like-wise there may a backward reach say as (37, 37, 36), (37, 36, 35), (37, 36, 35, 34) and so on.
4. This two folds sequential chase form any given number value will and reach glimpsing along both orientations.
5. The glimpsing of positive counts, towards one orientation to take to [(1), (1, 2), ...]
6. Along other orientation it may take form (1) to (1, -1), (-1, -2).
7. The availability of value zero will make progression as [(0), (0, 1), (1, 2) ...] and so on, along one orientation, and [(0), (0, -1), (0, -1, 2) and so on other orientations.
8. However the availability of orientation formats for zero value as well, will be making orientation beginning as (0, +0), it may have beginning as (0, -0).
9. This way, seal at value 0 for both orientations, deserves to be comprehended well.
10. One's space body format, line / interval) accepts a pair of orientations from one end to other end and back from other end to the first end.
11. This 1-space domain format orientations permits expression as (+1, -1) with a difference value (+1, -1) = 2.
12. As such, a shift from orientation of value (+1) to orientation of value (-1), that way amounts to a shift to all together to difference domain of different spaces.
13. (+1) orientation is along (-1) space domain format
14. (-1) orientation takes to (-1) space domain format
15. The inter-relationship of (+1) space and (-1) space is of format domain fold, dimension fold) of hyper cube 1 with spatial origin and '0' space as boundary (fold).
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
17. In case of double digit number, the pair of number 37, 73) constitute a

## Transcendental content

reflection pair, as much as that the digit swap their places.

18. Linear orientation pairing will be as (37, -37) and (73, -73).
19. As such, orientation as of linear format, and reflection pairing as of double digit numbers swapping their place deserves to be comprehended well.
20. Likewise '8' =  $(2^3)$  and '9' =  $(3^2)$  brings us face to face with  $(2^3, 3^2)$  pairing of double feature as of linear orientation and also of swapping of places by the pair of digit, but happening being along the vertical line, instant of an horizontal line.

■

### LESSON-114

#### NUMBER VALUE 38

1. The number value 38 is coordinated with number value 35 as pair of end values of quadruples values (35, 36, 37, 38) parallel to four folds manifestation layer 35, 36, 37, 38 of hyper cube 37.
2. Number value 35 is parallel to transcendental code value 35 of formulation **Divya vastu**.
3. **Divya vastu** in the role of dimension take up-till origin of value 38.
4. Value 38 accepts re-organization as  $38 = (19+19)$ .
5. Number value 19 is parallel to placement value of southern hemisphere of our solar universe (6-space) of creative dimensional order and of spatial dimension of dimension order.
6. With it, number value 19 as of the axis of the spatial order will lead us to value  $(19 +19) = 38$  for the both axes of spatial order itself.
7. It is this feature of number value 38 as the value of the origin fold, will make its 'transcendence half' / 'feature' / 'Ardh Matra', as that, the split is as of a pair of equal halves.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. Divya Vastu of transcendental code value 35 parallel to the synthesis value of the dimensional frame of unity state of transcendental order, deserves to be comprehended thoroughly for its complete imbibing and appreciation for its sequential reach as of boundary fold of value 36, domain fold of value 37 and of origin fold of value 38.
10. A step ahead, the extension of 4 folds manifestation layer into five folds transcendence range shall be leading us to number value 35 as the value of the base fold as the fifth fold.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. Reach, at a step ahead to value 40, as the value of self-referral range, bring us face to face with the format features and values of the coordination of the creative boundary of transcendental domain of ten components making value  $(4 \times 10) = 40$  for its fixation coordinates.

13. A step ahead, the unity state reach will take us to value 41 for the 7<sup>th</sup> fold.
14. One may have a pause here and take note that number value 41 is the value coordinating pair of end value of the Sathapatya measuring rod of 4-space domain synthesized as a set up of hyper cubes 1 to 4, and parallel to it would be the value range (1, 2, 3, 4) with a pair of end value being (1, 4) and the same as a pair of digit make a number value 41.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
16. Sadhakas fulfilled with intensity of urge to know and to explore further shall glimpse and imbibe the values reach of quadruples value range (38, 39, 40, 41), parallel to four folds manifestation layer (38, 39, 40, 41) of hyper cube 40.
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
18. It would be a blissful to glimpse and to imbibe the values of creative boundary as  $(4 \times 10) = 40$  leading to the set up of hyper cube 40.
19. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

### LESSON-115 NUMBER VALUE 39

1. Number value 39 permits re-organization as  $39 = (3 \times 13)$ .
2. Within, 4-space domain, 12 edged cubes manifests 13 edged.
3. The 13 edged of the cube within 4-space leads to the solid order transcendental origin of 4-space.
4. It is this coordination feature of 13 edged with a 3 dimensional set up of solid order which brings us face to face with coordination value  $3 \times 13 = 39$ .
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
6. One may have a pause here and take note that the quadruples value (3, 4, 5, 6) are parallel to four folds manifestation layer (3, 4, 5, 6) of hyper cube 5 with self-referral origin (6-space as origin) of 13 geometries range and coordination value  $(13 \times 3)$  bring us face to face with the value 39.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
8. One may have a pause here and take note that the formulation **Surya Parkashh** is  $(13 + 13 + 13) = 39$ .

## Transcendental content

9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. One may have a pause here and take note that formulation **Ahirbandhya** also accepts a transcendental code value 39.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. Sadhakas untified with urge to know and to explore further shall initiate themselves for glimpse and imbibe the values of **Ahirbandhya tantarh Samhita** and to reach at the pure and applied values of Shri Sudrashan chakra.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
14. Formulation Sudhranshan chakra accepts transcendental code value  $(38+6) = 44$  which is the domain value of a dimensional fold of value 42 being parallel to value 42 of synthesis of a pair of transcendence range of spatial order.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
16. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to attain the translation path of Shri Sudhrashan chakra of transcendental code value 51 with pair of digit (5, 1) being the end values of the transcendence range (1, 2, 3, 4, 5) in its both orientations

### LESSON-116 SOLE SYLLABLE OM

1. Creator's space is 4-space.
2. Being a 4-space, it accepts number value 4 as a unit.
3. 4-space as dimensional order of 6-space, as such the dimensional measure 'unit' takes us to '1 as 4 and 4 as 1' working units.
4. Sole syllable Om, being sole syllable, accepts association of value '1'.
5. Sole syllable Om as 'Ek Akshar Braham' accepts organization set up of four components and accordingly accepts association of number value '4'.
6. The range of four components, being four components is component accepts value '1' and it lead to quadruple values organization (1, 1, 1, 1).
7. Further as four components being of sequential pleasure as first , second , third and fourth component as such they accepts sequential value (1, 2, 3, 4) as well.
8. This simultaneous availability of quadruple of affine values (1, 1, 1, 1) and also sequential quadruple value (1, 2, 3, 4), the same has lead to each



components itself as well being a set up of sub components.

9. A range of synonyms of Om stands settled by Vedic systems, as (Om, Pranava, Aum, Omkar, Udgith, Vashatkar, Sapt Bhumi, Asht Prakarti, Nav Braham, Par Braham).
10. Creator's space features, values, virtues are worked out in terms of and along the format and organization of the set up of Om formulation.
11. Four components of sole syllable Om are designated and formulated as 'Bindu Sarovar', Ardh Matra, Tri-Pundram, and Swastik Pada'.
12. Swastik is super imposed upon Bindu Sarovar and churning is added, which reserves into Divya Ganga Pravaha through the components of sole syllable.
13. Divya Ganga Pravaha associate quadruple value (9, 7, 3, 1) with the quadruple components. ■
14. Divya Ganga Pravaha fulfills Pushpika / reservoir of format of hyper cube 4, whose creative domain is having transcendental origin.
15. The reach from Bindu Sarovar up-till transcendental origin, in its opposite orientations makes the transcendence to folds, firstly a downward flow from Bindu Sarovar to transcendental origin and secondly as an upward flow back from transcendental origin into Bindu Sarovar.
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
17. It would be a blissful exercise to sequentially chase association of value '1' to the sole syllable Om. At a next step, let affine value '1' is associated with each of the four components of Om. At a next step, quadruple sequential values be associated with 4 components of Om and their after, quadruple Divya Ganga flow value (9, 7, 3, 1) the associated with quadruple components of Om.
18. It would be a blissful exercise to associate the transcendental code values to the script form of Om, as well as to the designated formulations of its components, as well as to formulation of its synonyms.

**DIVYA GANGA PARVAHA**

This day the course focus is upon ‘Divya Ganga Parvaha’. It four folds aspects being taken up are as follows:

- 165. Divya Ganga Parvaha.
- 166. Transcendental code values of components formulations.
- 167. Synonyms range.
- 168. Sri Mad Bhagwat Geeta.

The values being covered are to be taught as lessons numbers 117 to 120 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-117**

**DIVYA GANGA PARVAHA**

- 1. Bindu Sarovar / point reservoir is full of structure of Brahman domain (9-space).
- 2. It churning within Swastik frame, a set up of four Swastik Pada of format and features parallel to spatial order, churns along the range of 9 geometries of creator’s space 4-space.
- 3. The churning of domain fold result into the flow path of dimensional fold.
- 4. As a result their happen 7 streams flow parallel to a dimensional frame of 7-space in the role of dimensions of 9-space.
- 5. Further the flow path being within a spatial order 4-space of transcendental origin, it gives a jump over the origin, and their happen a manifestation path for the further flow for 7 streams as 3 streams along the solid boundary of creator’s space.

- 6. One may have a pause here and take note that pair of artifices (3, 7) gets co-ordinate as 3-space having 7 geometries range.
- 7. And a step head, the flow path goes of linear order value as 3-space is a linear order space.
- 8. This 4 steps churning accepts association of quadruples value (9, 7, 3, 1) of summation value  $(9 + 7 + 3 + 1) = 20$ .
- 9. One may have a pause here and take note that the value difference of values pair (9, 7) is to, while the value difference  $7-3 = 4$  and the value difference  $3-1$  is 2.
- 10. One may have a pause here and take note that the middle value difference is (4), and such the general flow path comes to be of value features (N, N-2, N-6, N-8) of summation value  $4N-16 = 4(N-4)$ .
- 11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
- 12. It would be a blissful exercise to take note that the summation value  $(9 + 7 + 3 + 1)$  with addition of value  $1 \times 5$  shall be making values  $20+5 = 25 = 5^2$ .
- 13. A step head, quadruples values  $(11 + 9 + 5 + 3) = 28$  with addition of value  $3 \times 7 = 21$  shall be making value  $28+21 = 49 = 7^2$ .
- 14. A step head, the quadruple  $(13 + 11 + 7 + 5) = 36$  with addition of value  $5 \times 9 = 45$  shall be making value  $36+45 = 81 = 9^2$ .
- 15. One shall sit comfortably and permit the transcending mind to

continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

16. One shall sit comfortably and glimpse value sequence  $(1 \times 5, 3 \times 7, 5 \times 9 \dots), (2N+1) \times (2N+5)$ .
17. It would be a blissful to glimpse and imbibe the gap between the pair of values  $(N, N-2)$  and  $(N-6, N-8)$  shall be accepting value  $(2N+1) \times (2N+5)$  and the grand total value will leads us to 'square' value.
18. It is this feature of Divya Ganga Parvaha, deserves to be comprehended well for its complete imbibing to acquire proper insight about this phenomenon of structural flow chase along the components of sole syllable Om by the Vedic systems.

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### LESSON-118 TRANSCENDENTAL CODE VALUES OF COMPONENTS FORMULATIONS

1. Quadruple components of sole syllable Om (Bindu Sarovar, Ardh Matra, Tri-Pundram and Swastik Pada) accepts transcendental code values  $(26 + 26, 11 + 18, 7 + 34, 20 + 14)$ .
2. Transcendental code value of formulation Bindu as 26 is parallel to the summation value of four folds manifestation layers  $(5, 6, 7, 8)$  of hyper cube 7 and formulation Bindu Sarovar with its transcendental code value  $(26 + 26)$  leads to a set up of hyper cube 7, hyper cube 7 which leads to synthetic set up of hyper cube 9.
3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
4. Formulation Ardh Matra accepts transcendental code value 29 which is parallel to transcendental code value of formulation Brahma over Lord of 4-space and presiding deity of measure of Sathapatya measuring rod.
5. It would be a blissful to take note that 4-space has a spatial order space and the pair of working unit '1 as 2 and 2 as 1' of 4-space lead to '1/2' as its working rule.
6. As such, while the first components of sole syllable Om leads to rule  $(9, 7)$  of (domain, dimension) format, the second components leads us to the rule of Ardh Matra / half unit measure.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
8. It would be a blissful to take note that while the first component is a rule of full dimensions, the second component is the rule of half dimensions.
9. The third components (Tri-Pundram) of transcendental code value  $(7 + 34) = 7 + (7 + 8 + 9 + 10)$  leads to the rule of synthesis of a pair of monads as of values of tri-monad.
10. One may have a pause here and take note that while second components leads us to the rule of split of

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dimensions, the third components take us to the synthesis of dimensions  $(1, 1) = 3$ .

11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
  12. Fourth components (Swastik Pada) is the rule of processing spatial order set up of four space by approaching it quarter by quarter by.
  13. It amounts to approaching to square as a set up of quadruple quarter square.
  14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
  15. It would be a blissful exercise to visit and revisit the above processing approach of spatial order 4-space and to fully imbibe these values and have their complete appreciation.
5. Sri Mad Bhagwat Geeta text avails four synomns of sole syllable Om, namely: (Om, Purnava, Aum, Omkar)
  6. It would be a blissful exercise to reach at transcendental code values of formulation of synomns of sole syllable Om: (Om, Parnava, Aum, Omkar).
  7. Transcendental code values of these four synomns leads us to quadruples values [16, 36, 16, 19 (19)].
  8. It would be blissful to take note that number value 36 is parallel to transcendental code value 36 of formulation 'Sri Om'.
  9. It would further be a blissful to take note that value pairs (16, 19) is the pair of end value of quadruples value (16, 17, 18, 19) parallel to four folds manifestation layers of hyper cube 18.
  10. Further it would be a blissful to take note that  $16+19 = 17+ 18 = 35 = 5 \times 7$  is parallel to the dimensional value is parallel to the value of dimensional frame of 7 dimensions of transcendental order.
  11. Further as that value  $35 + 35 = 70$  is parallel to domain split spectrum entities at fifth split stage: (1, 2, 5, 12, 29, 70 ...)

### LESSON-119 SYNOMNS RANGE

1. There are pairs of synomns generic.
2. The formulations with same transcendental code value constitute a first synomns generic.
3. The formulations of same virtue but of different transcendental code value make a second generic synomns.
4. Synomns range of sole syllable Om is of second generic.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
13. Source formulation 'Om' leads to conclusive virtue: 'Om Tattu Sat Iti Nirdaisha' (Geeta) chapter 17) / ultimate command is to have

complete enlightenment unfolding as 'Om Tattu Sat'.

14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
15. Virtue of synomns Parnavha is of enlightenment: ***'Parnvaha Sarva Vaidashu'*** / Parnavha Parvide throughout they Vedic knowledge) range (Geeta chapter 8).
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
17. Synomns Aum is of virtue ***'Om Iti Ek Akshra Braham'*** / Om is sole syllable Braham, an enlightenment that Braham is complete as one syllable (Geeta chapter 7).
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
19. Synomns Omkar is of virtue that attainable knowledge value is Omkar (Geeta chapter 10).
20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

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## LESSON-120

### SRI MAD BHAGWAT GEETA

1. Vedanta is essence of Vedas.
2. Vedanta (upanished) Braham sutra and Sri Mad Bhagwat Geeta) tri is essence of Vedanta.
3. Sri Mad Bhagwat Geeta is essence of Vedanta tri itself.
4. Sri Mad Bhagwat Geeta is the divine sung of lord Krishna, incarnation of Lord Vishnu.
5. As such, Sri Mad Bhagwat Geeta is the ultimate scripture of 6-space reality of existence phenomenon of our solar universe within human frame.
6. The organization, knowledge and enlightenment of Sri Mad Bhagwat Geeta run parallel to each other.
7. This being so the organization of Sri Mad Bhagwat Geeta text has of 700 Shalokas and Yvachas organize as 18 aspects of discipline of yoga and every word formulation of this scripture is about one or other feature, value or virtue of 6-space reality.
8. Here the organization of features, values and virtues of 6-space reality is being chased as Divya Ganga Parvaha of Jyoti along the Sathapatya measuring rod format.
9. Here it also would be relevant to take note that Divya Ganga Parvaha ultimately fulfills Pushpika of hyper cube 4 format with transcendental origin.
10. The reverse transcendence flow from transcendental origin for its reach back into Bindu Sarovar is chased as Sam Ved Samhita.
11. This two folds transcendence, firstly as a reach from Bindu Sarovar to

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Pushpika up-till its transcendental origin, and secondly a back transcendence from transcendental origin of Pushpika up-till its reach in Bindu Sarovar, deserve to be chased as complementary and supplementary of each other.

12. Enlightenment preserve in Sri Mad Bhagwat Geeta is that lord Krishna conveys as that amongst Vedas, lord is Sam Ved Sadhakas fulfilled with intensity of urge to know and to explore further shall chase Divya Ganga Parvaha through artifices of components of sole syllable Om in its 2 folds processing steps of the range from Bindu Sarovar to transcendental origin of Pushpika and back reach up-till Bindu Sarovar itself.
13. One shall tabulate organization feature of the text of Sri Mad Bhagwat Geeta.
14. One shall update one's own dictionary of feature, values and virtues of 6-space reality.
15. One shall make entries of different features, values and virtues of 6-space reality in own dictionary.
16. The conceptual terms, in particular deserve to included in own dictionary along with one's comprehensive notes of glimpse and imbibing of the features, values and virtues of respective conceptual terms of the text of Sri Mad Bhagwat Geeta.
17. Each of 18 aspects of yoga discipline of Sri Mad Bhagwat Geeta deserve distinct place in one's dictionary.
18. One shall sequential chase these yoga disciplines in the sequence and

order in which these are attained to in the text of Sri Mad Bhagwat Geeta.

19. One shall regularly evaluate oneself of one's comprehension and imbibing of the essence of virtues manifesting as text of Sri Mad Bhagwat Geeta and these shall be regularly updated in one's own dictionary of 6-space reality.



## 31

**SAM VED SAMHITA**

This day the course focus is upon ‘Sam Ved Samhita’. It four folds aspects being taken up are as follows:

169. Sam Ved Samhita.
170. Quadruple perfect numbers (6, 28, 496, 8128).
171. Values triple (N, N+1, N+2) with (N and N+2) being prime.
172. Transcendental phenomenon.

The values being covered are to be taught as lessons numbers 121 to 124 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-121****SAM VED SAMHITA**

1. Sam Ved Samhita is a scripture of 29 *archiks*.
2. Number value 29 is parallel to transcendental code value 29 of formulation Brahma, over lord of 4-space, and presiding deity of the measure of Sathapatya measuring rod presided by lord Vishnu, the over lord of real 6-space.
3. The organization feature of Sam Ved Samhita as 6 archiks, ek archkis and 22 archiks, brings us face to face with value 6 parallel to 6-space, value 1 being parallel to value of sole syllable Om of 4 components set up and value 22 accepts re-organization as  $22 = (4+5+6+7)$ , which is parallel to four folds manifestation layer (4, 5, 6, 7) of hyper cube 6 of creative dimensional order.
4. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
5. One may have a pause here and take note that Sama flow through rays of the sun is the phenomenon which is being chased as is the manifested text of Sam Ved Samhita of its organization as 29 archiks.
6. Here in the context it would also be relevant to take note domain split spectrum has its four shall be of 29 entities: (1, 2, 5, 12, 29 ...).
7. Sadhakas fulfilled with intensity of urge to glimpse and to chase the Sama manifestation shall first glimpse transcendental carriers carrying self-referral domain.
8. Further as a second step, one shall glimpse Jyoti flow through rays of the sun and same getting fulfilled in Pushpika of transcendental origin.
9. Thereafter one shall glimpse and chase upward transcendence from transcendental origin of Pushpika for its reach into Bindu Sarovar and parallel manifestation of Sam Ved Samhita.
10. Manifestation as Dashtish (ten mantra composition parallel to manifestation of creative boundary of 10 components for transcendental domain.
11. For comprehension, first of all reach at tabulation of archiks, the dashtish and mantras for the entire text and then to have a sequential chase of transcendence upward from transcendental origin of pushpika for its reach up-till Bindu Sarovar.

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12. Sadhakas fulfilled with intensity of urge to know and to explore further, shall take help of senior Sadhakas.
13. Teacher of Vedic Mathematics may help satisfy the curiosity of Sadhakas by sequentially taking them through the organization of Sam Ved Samhita.
14. Vedic mathematics teachers shall further lay hand at research works and to properly expose the young minds about features, values and virtues of organization, knowledge and enlightenment of Sam Ved manifesting Sam Ved Samhita.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.



### LESSON-122 QUADRUPLE PERFECT NUMBERS (6, 28, 496, 8128)

1. Number values range  $01^1$  to  $10^1$  has as a perfect number (6).
2. Numbers values range  $01^2$  to  $10^2$  has a pair of perfect numbers (6, 28).
3. Number values range  $01^3$  to  $10^3$  has a triple perfect numbers (6, 28, 496).
4. Numbers values range  $01^4$  to  $10^4$  has quadruple perfect numbers (6, 28, 496, 8128).
5. Quadruple perfect number (6, 28, 496, 8128) are accepting (3, 5, 9, 13) proper divisors.
6. These quadruples perfect numbers are accepting biggest prime proper divisors (3, 7, 31, 127).
7. One may have a pause here and take note that 3-space has 7 geometries range and cube the representative regular body of 3-space is a set up of precisely 31 structural components (8 corner points, 12 edges, 6 surface plates, 1 volume, 3 axes and 1 origin).
8. It would be a blissful to take note that of the 12 edges only 7 of them sequentially co-ordinate all the 8 corner points.
9. The organization of number value  $127 = 31 \times 4 + 5$  brings us face to face with the set ups for a cube within 4-space along all the 4 dimensions together with the value of the transcendental origin.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
11. It would be a blissful exercise to sequentially chase first triple perfect numbers (6, 28, 496) of the range of values  $0^3$  to  $10^3$ , as the number value 1000 is parallel to 1000 branches of Sam Ved.
12. Further, formulation **Sahastra** means 1000.
13. Still further, as that, formulation **Sahastra** accepts transcendental code value 23 parallel to transcendental code value of formulation **Aanant** (endless).
14. It would be a blissful to take note number value 23 accepts organization as  $23 = (3 + 5 + 3 \times 5)$ ,



which is parallel to end reach of addition and multiplication of a pair of values (3, 5) parallel to 3-space as dimension and 5-space as domain of 5-space set up.

15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
16. It would be blissful to take note that values triples (4, 6, 9) as a unique feature as that  $9 = 6 \times 3/2$  and  $6 = 4 \times 3/2$ .
17. The coordinating value  $3/2$  is the coordinating value of the synthesis of 4 squares as a square, as well as of synthesis of 8 cubes as a cube.
18. This feature deserves to be glimpse and to be chased for synthesis of 4 square set ups and same shall be bringing us face to face with the sequential contribution structural component (6, 9, 6, 4) for first to fourth square, and the synthesis of eight cubes shall be making sequential contribution of structural components (276, 18, 18, 12, 12, 8).
19. It would be a blissful to revisit perfect number 496 along format of sole syllable Om.

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### LESSON-123

#### VALUES TRIPLE (N, N+1, N+2) WITH N AND N+2 BEING PRIME

1. Values triples (N, N+1, N+2) with n and N+1 being primes have significant role to play.
2. Values triples (11, 12, 13) goes parallel to 11 geometries of 5-space, 12 transcendental components of

boundary of self-referral domain and 13 geometries of 6-space.

3. These features of triple values helps us glimpse and imbibe the values for the gaps on either side of framed self-referral domain to acquire proper insight about the continuity features of the range of hyper cubes.
4. The values triples (17, 18, 19) is parallel to 17 geometries of 8-space, 18 boundary components of 9-space and 19 geometries of 9-space.
5. Further, value pairs (17, 19), is parallel to the placement value of **northern** and **southern** hemispheres of Solar Universe sphere.
6. It would be a blissful to take note that number value '17' is parallel to transcendental code value of formulation **Atama** (soul). And value '19' is parallel to transcendental code value of formulation **Krishna** (in carnation of lord Vishnu).
7. Values triples (29, 30, 31) is parallel to value 29 being parallel to transcendental code value of transcendental code value **Brahma** (over lord of 4-space) and presiding deity of measure of the Sathapatya measuring rod. Number value 30 is parallel to transcendental code value formulation **Samhita**. Number value 31 is parallel to synthesis value of a pair of linear order transcendence ranges  $(1 + 2 + 3 + 4 + 5) + (1) + (1 + 2 + 3 + 4 + 5)$ .
8. Like that, one may chase such triples and to glimpse and imbibe their features as transcendental code values of respective formulations.

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9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
10. Values triples (101, 102, 103) go parallel to NVFs values of English alphabet words formulation: 'interval, two-space, hyper cube'.
11. Values triples (107, 108, 109) go parallel to NVFs values of formulation triples (reflection, geometry, refraction).
12. Like that, it would be a blissful to chase such triples for their parallel NVF values formulations.



### LESSON-124 TRANSCENDENTAL PHENOMENON

1. '5-space content manifests along 4-space format of spatial order and then transcendence there from and has its full expression as of a solid dimensional order', is the transcendental phenomenon.
2. 'Higher dimensional domain gets enveloped by a lower dimensional order set up', is the feature of transcendental phenomenon.
3. 'Further, lower dimensional domain accepting higher dimensional origin', is further is also another feature of the transcendental phenomenon.
4. A pair of points (0 space bodies), cover a unit (1-space body); and a result zero space body splits into a pair of zero space body and also manifests another generic (1-space body) is also a feature of transcendental phenomenon.
5. An entity, instead of a pair of entities splitting into triple entities as such, is a feature of transcendental phenomenon.
6. A pair of monads: (monad x monad) synthesizing as tri-monad is a feature of transcendental phenomenon.
7. A pair of linear dimensions: (1, 1) synthesizing value '3', is a feature of transcendental phenomenon.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
9. One shall sit comfortably and to glimpse and imbibe the virtue of the feature of a pair of dimensions of order N synthesizing value (N+2), for value of N, positive, zero or negative.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
11. It would be a blissful to fully glimpse and to completely imbibed the features and values of four folds manifestation layers (3, 4, 5, 6) of hyper cube 5 and to thoroughly appreciate the set ups of these four folds for their individual values and to acquire proper insight and to attain appropriate enlightenment about 3-space, 4-space, 5-space and 6-space as 'Triloki and Trimurti'.

12. With it, we shall be appreciating that the present four year course of Vedic Mathematics approach as mathematics of reality of 3-space, 4-space, 5-space and 6-space ultimately gets integrated along the format of hyper cube 5.



**TRANSCENDENTAL CARRIERS**

This day the course focus is upon ‘Transcendence carriers’. It four folds aspects being taken up are as follows:

- 173. Self-referral domain.
- 174. Transcendental carriers carry self-referral domain.
- 175. Let us glimpse again orb of the sun.
- 176. One shall compile one’s own dictionary of 6-space Mathematics.

The values being covered are to be taught as lessons numbers 125 to 128 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-125**

**SELF-REFERRAL DOMAIN**

- 1. Self-referral domain is the domain fold of hyper cube 6.
- 2. It is ‘6-space domain’.
- 3. 6-space domain plays six distinct roles as dimensional fold of 8-space, boundary fold of 7-space, re-manifested domain within 6-space domain itself, origin fold of 5-space, base fold of origin of 4-space and format of base of origin of 3-space domain.
- 4. One may have a pause here and take note that the above roles lead to following relationship of 6-space with the self-referral range of 6 steps (8-space, 7-space, 6-space, 5-space, 4-space, 3-space).
- 5. One may have a pause here and have a visit to this range of relationship of 6-space with the range of 8-space to 3-space:
  - i. (8, 6) / (8-space as domain, 6-space as dimensions)

- ii. (7, 6) / (7-space as domain, 6-space as boundary)
  - iii. (6, 6) / (6-space domain being a self-referral domain)
  - iv. (5, 6) / (5-space domain, 6-space origin)
  - v. (4, 6) / (4-space domain, 6-space base)
  - vi. (3, 6) / (3-space domain, 6-space format)
- 6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
  - 7. One may have a pause here and take note that above self-referral feature of self-referral 6 steps long range relationship a space ‘N’ may be express as 6 steps long relationship:
    - i. (N+2, N) / (N+2)space as domain, N space as dimensions)
    - ii. (7, 6) / (N+1)space as domain, N space as boundary)
    - iii. (6, 6) / (N space domain being a self-referral domain)
    - iv. (5, 6) / (N-1) space domain, N space origin)
    - v. (4, 6) / (N-2) space domain, N space base)
    - i. (3, 6) / (N-3)space domain, N space format)
  - 8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
  - 9. It would be a blissful exercise to chase above self-referral feature of

dimensional domains for  $N = (1, 2, 3, 4, 5, 6 \dots)$ .

10. Further one shall chase for  $N = 0$  as well.
11. Still further one shall also chase for  $N = (-1, -2, -3, \dots)$ .
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
13. Sadhakas fulfilled with intensity of urge to know and to explore further shall chase the values of Ganita Sutra 11: Vyashti Samshtih.
14. It would be a blissful to chase cube within cube.
15. Still further it would be a blissful to chase  $(A+2)^3$  leading to  $A^3$  as a set up of a cube vis-à-vis the volume of the cube.



### LESSON-126

#### TRANSCENDENTAL CARRIERS CARRY SELF-REFERRAL DOMAIN

1. Transcendental domain, within a solid dimensional frame, and enveloped by a creative boundary is of the status of a sealed domain.
2. Sealed transcendental domain remains in its integrated form with origin of the dimensional frame being superimposed upon the origin fold of the transcendental domain itself.
3. As such, the sealed transcendental domain, in its integrated form while being in a dynamic state, the same (in transcendental domain), carries along with itself, its self-referral domain as well.
4. The dynamic state path is formatted by Sathapatya measuring rod.
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
6. One may have a pause here and take note that Sathapatya measuring rod is presided by Lord Vishnu, Over Lord of 6-space and the measure of this rod is presided by Lord Brahma, the Over lord of 4-space.
7. The creative dimensional order, as such makes Sathapatya measuring rod itself, a set up of hyper cubes 1 to 6 as 4 folds manifestation layers.
8. The dynamic state transforms into a five folds transcendence ranges format.
9. Creator's space with transcendental origin sets into play a transcendence phenomenon for the four folds manifested bodies of dimensional spaces.
10. During transcendence, creator's space transits and transforms into the role of creative boundary of transcendental domain accepting self-referral origin.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
12. It would be a blissful to glimpse the reach of transcendental carriers up-till Orb of the sun (6-space body).
13. The self-referral origin of transcendental domain, carried by transcendental carriers with a reach

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at orb of the sun, amounts to unification for the self-referral origin with these self-referral domains.

14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
15. It would be very blissful exercise to glimpse this phenomenon of transcendental carriers carrying transcendental domain along with a self-referral origin and their being a reach of unification for the self-referral origin into self-referral domain itself of sun as a 6-space body.
16. Sadhakas fulfilled with intensity of urge to know and to explore further the Brahman carrier taking over from orb of the sun, shall imbibe the virtues of the value through Dharu Mantra : '*Om namo bhagavatai vas dai vay*'. ■

### LESSON-127

#### LET US GLIMPSE AGAIN ORB OF THE SUN

1. Orb of the sun is the origin value of 6-space.
2. 7-space plays the role of origin of 6-space.
3. It makes a unity state origin of self-referral domain.
4. Sun being 6-space body is of the format of hyper cube 6 of creative dimensional order.
5. The sky around the sun is the expression of transcendental boundary fold of hyper cube 6.
6. The summation value  $22 = (4+5+6+7)$  of four folds manifestation layer of hyper cube 6 is parallel to transcendental code value of formulation **chandās**.
7. Further the summation value '30' of creative order transcendence range (4, 5, 6, 7, 8) is parallel to transcendental code value 30 of formulation **Samhita**.
8. Further as that, the formulations *ek* (1), *triya* (3), *akash* (space), *iti* (the end reach), except transcendental code value '8', each.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
10. Orb of the sun, a transcendental order unity state set up, leads to value  $(5 \times 7) = 35$  parallel to the value of transcendental order dimensional frame of 7 dimensions.
11. It is this feature, which deserves to be glimpsed fully and to be completely appreciated to acquire proper insight and appropriate enlightenment of Existence Phenomenon of our Solar Universe within human frame as '*chakshu*' (I) plays the role of one axis (dimension) for the spatial dimension order of creator's space excepting transcendental origin.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.

13. It would be a blissful to glimpse and imbibe the values and virtues of following N.V.F. and T.V.C. equation:  
 i.  $(NVF (Orb) = 35 = NVF (eye))$   
 ii.  $TCV (chakshu) = 13 = TCV (surya)$
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above format feature and values.
15. It would be a blissful to take note that  $35-13 = 22 = 4+5+6+7$ ) is parallel to 4 folds manifestation layer (4,5,6,7) of hypercube 6 and further it is also parallel to TCV *chandas*.
16. TCV *Sadhakas* fulfilled with intensity of urge to know and to explore further the values of Vedic Mathematics, Science & Technology shall approach a fresh to the scripture of *Pingla chand-shastra* and *Chandgyo-upanishada*.

### LESSON-128

## ONE SHALL COMPILE ONE'S OWN DICTIONARY OF 6-SPACE MATHEMATICS

1. One shall evaluate oneself about one's glimpsing, comprehension and imbibing of 6-space reality in-terms of the transcendental bliss of one's 6-space mathematics dictionary.
2. 6-space mathematics, 6-space domain and one's dictionary of 6-space

**REAL 7-SPACE**

This day the course focus is upon 'Real 7-space'. It four folds aspects being taken up are as follows:

- 129. Real 7-space
- 130. Divya-vastu (transcendental object)
- 131. 7-space content
- 132. Number value 7

The values being covered are to be taught as lessons numbers 129 to 132 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-129  
REAL 7-SPACE**

1. There are '7' states of consciousness.
2. 7<sup>th</sup> state of consciousness is the unity state of consciousness.
3. Unity state of consciousness is of the format, features, values and virtues of real 7-space.
4. Real 7-space as a print out, as of its manifestations, in real 4-space, along the format of Idol of Lord Brahma, as a four folds manifestation layer (5, 6, 7, 8) of summation values  $(5 + 6 + 7 + 8) = (26)$ .
5. Number value '26' accepts its organization as  $(26) = (7 + 19)$ , parallel to '7' as the four prime of numbers values range 1 to 10, together with '19' as the fourth prime of numbers values range 11 to 20.
6. Numbers values pairs (7, 19) is parallel to (7 geometries range of 3-space, 19 geometries range of 9-space).
7. Values pairs (3, 9) accepts re-organization as  $(3^1, 3^2)$ .
8. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe above features and values.
9. It would be blissful to take note that 1-space plays the role of dimension of 3-space.
10. It would be blissful to take note that 1-space domain plays the role of linear dimension of 3-space (domain).
11. It would further be blissful to take note transcendental code value of formulation Ek / one is '8', and transcendental code value of formulation triya / three as well is '8'.
12. It would be a blissful to take note that number value '8' permits re-organization as  $(8) = (2^3)$ .
13. One may have a pause here and to permit the transcending mind to glimpse and imbibe the above features and values, in particular of paired pairs  $(1^3, 2^3)$  and  $(3^1, 3^2)$ .
14. As under, Scriptural enlightenment deserves to be imbibed fully:  
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15. It would be blissful to take note that number value '7', as a value of 7<sup>th</sup> placement, is parallel to the placement of Dhruv (Pole Star) and value '19' is parallel to the value of placement of southern hemisphere of our solar universe.
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.



17. Number value '7' is of biggest prime of the range 1 to 10 and number value '19' is of biggest prime of the range 11 to 20.
18. Divya Ganga Parvaha of stream (19, 17, 13, 11) is of quadruple primes of values range 11 to 20.
19. The summation value  $(19 + 17 + 13 + 11) = 60$  is parallel to 60-coordinates fixation of transcendental boundary (5-space as boundary) of 12 components of self-referral domain (6-space as domain).
20. One may have a pause here and take note that Divya Ganga Parvaha of (9, 7, 3, 1) streams with a jump over value 5 streams, as a range of 5 phases of stream (9, 7, 5, 3, 1) makes a flow of  $(9+7+5+3+1) = (25) = (5^2)$  value.
21. The following 6 sequential flow ranges, deserves to be glimpsed and imbibed fully.
  - i.  $\{9, 7\}, (5 \times 1), \{3, 1\} =$  summation value  $5^2$ .
  - ii.  $\{11, 9\}, (7 \times 3), \{5, 3\} =$  summation value  $7^2$ .
  - iii.  $\{13, 11\}, (9 \times 5), \{7, 5\} =$  summation value  $9^2$ .
  - iv.  $\{15, 13\}, (11 \times 7), \{9, 7\} =$  summation value  $11^2$ .
  - v.  $\{17, 15\}, (13 \times 9), \{11, 9\} =$  summation value  $13^2$ .
  - vi.  $\{19, 17\}, (15 \times 11), \{13, 11\} =$  summation value  $15^2$ .
22. It would be a blissful to take note that the range of value 1 to 10, lead to Divya Ganga Parvaha (9, 7, 3, 1).
23. Numbers values range 11 to 20 leads to Divya Ganga Parvaha (19, 17, 13, 11).
24. One shall have a pause here and to permit the transcending mind to glimpse and imbibe the above features and values, particularly the gap value (5) of Divya Ganga Parvaha (9, 7, 3, 1), and gap value (15) of Divya Ganga Parvaha (19, 17, 13, 11).
25. One shall further glimpse and imbibe the corresponding values pairs  $(5^2, 15^2)$ .
26. Still further, one shall also to fully glimpse and to imbibe the organization (5, 15) as of features 5-space domain, dimensional value  $(5 \times 3)$ .
27. It would be a blissful to further glimpse and imbibe as that 5-space plays the role of dimension of 7-space and 3-space plays the role of dimension of dimension of 7-space.
28. This reach for 7-space at 3-space as its dimension of dimension is the feature which is the value of formulation trishpta.
29. This value further brings to focus the sequential relationship of domain and dimension and of dimension and dimension of dimension.
30. One shall sit comfortably and permit the transcending mind to glimpse and imbibe above features and values, particularly of relationship of domain and dimension being carried forward by dimension and dimension of dimension.
31. This is the basic relationship feature of Sathapatya measuring rod and of measure of the measuring rod.



**LESSON-130**

**DIVYA-VASTU**

**(TRANSCENDENTAL OBJECT)**

1. Formulation *divya-vastu* accepts TCV value '17+18 = 35'.
2. Number value '35' makes a reflection pair with number value (-35).
3. Number value (-35) is the synthesis value of a pair of transcendental ranges of order (-5).
4. Number value '35' also makes reflection pair with number value '53'.
5. Number value '53' is the synthesis value of a pair of transcendence ranges of order (3).
6. Further, number value 35 is half of number value (70).
7. Number value (70) is the domain split spectrum at 5<sup>th</sup> phase of split of domain: (2, 5, 12, 29, 70 ...).
8. Still further, number value (35) accepts organization as (35 = 7 x 5), which is parallel to the dimensional value of 7 dimension of transcendental order of unity state dimensional frame (5-space in the role of dimension of 7-space) constituting and dimensional frame of 7 dimensions of transcendental order).
9. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe '*divya vastu*' as a transcendental object of above features parallel to the features of number value '35', and its corresponding geometric format.
10. It would be a blissful exercise to tabulate word formulations accepting TCV values (35).
11. It would be a blissful exercise to tabulate words formulations of TCV values (17) and of TCV value (18) separately.
12. It would be a blissful exercise to glimpse and imbibe the format features and values of number value (70) as the placement value of northern hemi-sphere of our solar universe.
13. Still further, it also would be a blissful exercise to glimpse and imbibe the features and values of number value 18 as the summation value of four folds manifestation layer (3, 4, 5, 6) of hyper cube 5, the representative regular body of 5-space within 4-space.
14. It would be a blissful to take note that the number value 18 is of middle placement of pair of values (17, 19) of placements of northern and southern hemisphere of our Solar Universe.
15. The values triple (17, 18, 19) brings us face to face with the split for middle placement value (18) as (9+9) of internal organization (3+6, 4+5), this internal organization, will further brings us face to face with the organization (17+9), (9+19) for the value triples (17, 18, 19).
16. One may have a pause here and take note that this organization as (17+9, 9+19) / (26, 28) further brings us face to face with values pairs (26, 28) being of the format (dimension, domain).'
17. One may have a pause here and take note that number value (26) with its

organization (26) = (5+6+7+8) and number value (28) with its organization (28) = (1+2+4+7+14), deserves to be glimpse and imbibed fully.

18. One may have a pause here and take note that words formulation Brahm accepts TCV value (28).
19. Further as that, the number value (28) is the perfect number value it is this reach which deserves to be comprehended well for its full imbibing and complete appreciation.
20. The dimension, domain format, in reference to formulation *divya-vastu* takes us to formulation *Jeev-Aatma* of TCV value (16+17) = (33).
21. It would be a blissful to take note that the value pair (33, 35), further brings us face to face with the organization format of number value '33' availing number value 3 as a digit value for the both places.
22. Parallel to it, is the organization format of a 3 dimensional frame as a synthetic set up of a pair of 3 dimensional frame of half dimensions.
23. It would be a blissful to take note that the spinal cord has '33' organization phases.
24. One shall sit comfortably and take note that *divya-vastu*, *Jeev Aatma* and there interconnected manifested roles deserves to be comprehended well for their full appreciation.
25. It would be a blissful exercise to tabulate word formulations of TCV (33).
26. It would be a blissful exercise to tabulate word formulation of TCV value '16' and of TCV '17' separately.

27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values. ■

### LESSON-131 7-SPACE CONTENT

1. Space approached and reached at in terms of 7 dimensions of transcendental order, and as space content manifests with in this frame, is designated as 7-space and the space content manifesting within this frame is designated as 7-space content.
2. As 6-space plays the role of origin of 5-space, as such a dimensional frame of 7 dimensions of transcendental order make a set up of 6-space origins 7 in number.
3. One may have a pause here and take note that 6-space as 7 non-negative geometries and the same time, 6-space is also having 7 non-positive geometries.
4. One may have a pause here and take note that domain boundary ratio of hyper cube 7 is of formulation **A<sup>7</sup>:14B<sup>6</sup>**.
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
6. Manifestation within 4-space leads to synthesis of quadruple dimensions of order (1, 2, 3, 4, 5, 6, 7),

## Transcendental content

respectively lead to synthesis value range (10, 8, 6, 4, 2, 0, -2).

7. The dimensional synthesis value of quadruple dimensions of order '7' with value (-2), further brings us face to face with the synthesis value of a pair of transcendental ranges of order (-2) being (-2).
8. It is this feature, which deserves to be comprehended well for its full appreciation.
9. It would be a blissful to take note that values pairs (2, -2) is a reflection pair of values.
10. Parallel to it is the set up of a surface of a pair of faces in 3 and higher dimensional spaces.
11. Further it would be a blissful to take note that the split of 8-space domain and its 5<sup>th</sup> phase of split takes us to split spectrum entities (6, 4, 2, 0, -2) domains.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
13. It would be a blissful to take note that the synthesis value of a pair of dimensions of transcendental order comes to be (5, 5) = 7.
14. Still further, it would be a blissful to take note that 5-space is of a solid dimensional order and that the pair of transcendence ranges of solid order lead to synthesis value (53).
15. As such, quadruple transcendence ranges of solid order, as a paired pairs of transcendence range of solid order shall be leading to values pairs (53, 53) of summation value (53+53) = 106, which is parallel to NVF (infinity).
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
17. It would be a blissful to take note that the NVF (Black Matter) = 106.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. It would be a blissful to take note that placement value 7 takes us to pole star, in reference to placement value 6 of sun.
20. Number value '8' as placement value takes to nature (asht prakarti / 8-space).
21. The cyclic organization for triple value (6, 7, 8) is of six values triples (6, 7, 8), (6, 8, 7), (7, 8, 6), (7, 6, 8), (8, 7, 6), (8, 6, 7).
22. Of these the value '786', as domain value, takes to '784' as a dimensional value.
23. Number value '784' accepts re-organization as (784 = 1 x 2 x 4 x 7 x 14).
24. This organization brings us face to face with the role of all the 5 proper divisors of number value '28'.
25. It would be a blissful to take note that number value '28' is the value of the second perfect number.
26. With, first perfect number is '6' and second number is '28', the following prominent features marks their presence:

- i. '6' is the first perfect number, while '28' is the second perfect number.
  - ii. '6' has 3 proper divisors while '28' has 5 proper divisors.
  - iii. The value pair (3, 5) are of the format of (dimension, domain).
  - iv. The summation value of proper divisors and product value of the proper divisor of perfect number '6' and '28' come to be
    - (a)  $(6) = (1+2+3) = (1 \times 2 \times 3)$ .
    - (b)  $(28) = (1+2+4+7+14)$  while  $(1 \times 2 \times 4 \times 7 \times 14) = (784)$ .
27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values. ■

### LESSON-132

#### NUMBER VALUE 7

1. Number value 7 is the value of biggest prime numeral of ten place value system.
2. 8 points range covers 7 units range along a straight line.
3. 8 corner point of a cube accepts sequential coordination in terms of 7 edges of a cube.
4. 3-space accepts 7 geometric range.
5. Cube has 7 versions.
6. Between Rahu and Ketu there is a range of 7 planets namely Surya, Chandrama, Mangal, Budh, Baehapasti, Shukra, Shani.
7. Parallel to these 7 planets are 7 days of a week.
8. 7<sup>th</sup> vowel, 5 letter of 3<sup>rd</sup> row of varga consonant, 4<sup>th</sup> letter of 4 row of varga consonant 3<sup>rd</sup> letter of 5 row of varga consonant and 4<sup>th</sup> anthashta letter accepts TCV value 7 each of these 5 letters of TCV value 7, the 7<sup>th</sup> vowel accepts a geometric format of a dimensional frame of 7-space of transcendental order.
9. 5<sup>th</sup> letter of 3<sup>rd</sup> row of varga consonant accepts geometric format of base fold of a transcendence range of solid order.
10. The 4<sup>th</sup> letter of 4<sup>th</sup> row of varga consonant accepts geometric format of origin fold of hyper cube 6 of a creative dimensional order.
11. The 3<sup>rd</sup> letter of the 5<sup>th</sup> row of varga consonant accepts geometric format of domain fold of hyper cube 7 of a transcendental dimensional order.
12. The 4<sup>th</sup> anthashta letter accepts a geometric format of boundary fold of unity state of asht prakarti (8-space domain).
13. The multiplies of number value 7 constitutes a value sequence (7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98, 105, 112, 119, 126 ...).
14. It would be a blissful exercise to chase above value sequence for their organizations and parallel geometric formats.
15. Value 7 accepts geometric format of 7 geometric range of 3-space.
16. Value 14 accepts re-organization as  $(14) = (2+3+4+5)$ , which is parallel to four folds manifestation layer (2, 3, 4, 5) of hyper cube fold of a spatial order parallel to the format feature of Idol of Lord Brahma, four head Lord, creator the supreme, over Lord of real 4-space

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and presiding deity of the measure of Sathapatya measuring rod presided by Lord Vishnu, the over Lord of real 6-space.

17. Number value '21' permits re-organization as  $(21) = (1+2+3+4+5+6)$ , which is parallel to the Sathapatya measuring rod synthesis by hyper cubes 1 to 6, the representative regular body of real 1 to 6-space.
18. Number value '28' accepts re-organization as  $(28) = (1+2+4+7+14)$  and  $(1 \times 2 \times 4 \times 7 \times 14) = (784)$  leads to number value '786' along the (dimension, domain) format.
19. Number value '35' accepts re-organization as  $(35) = (7 \times 5)$ , which is parallel to the dimensional value of a dimensional frame of 7 dimensions of dimensional order of unity state space (7-space with 5-space in the role of dimension).
20. Number value '42' accepts organization as  $(42) = (2 + 3 + 4 + 5 + 6) + (2) + (2 + 3 + 4 + 5 + 6)$  a synthesis value of a pair of transcendence range of a spatial order.
21. Number value '49' is parallel to transcendental code value 49 of formulation Maurtgana. Here it would be relevant to take note that  $NVF(\text{axes}) = 49$ .
22. Further as that, number value 49 also accepts re-organization as  $(49) = (7 \times 7)$ , which is parallel to a grid format  $(7 \times 7)$ , which leads to organization of unity state ranges of orders range of linear order, spatial order, solid order, creative order,

transcendental order, self-referral order and unity state order.

23. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
24. Values range 1 to 7 accepts value four of its middle placement. The bend at the middle of value range 1 to 7 leads to  $(4 \times 4)$  grid which accommodates four folds manifestation layer of linear, spatial, solid and of creative order.
25. One may have a pause here and take note that  $4 \times 4$  grid avails values range 1 to 7 for its complete coverage while  $(7 \times 7)$  grid avails value range 1 to 13 for its complete coverage.
26. It would be a blissful to take note that value 7 is parallel to 7 geometries range of 3-space while value 13 is parallel to 13 geometries range of 6-space.
27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

■

## 34

**HYPER CUBE 7 FORMAT**

This day the course focus is upon 'Hyper cube 7 format'. Its four folds aspects being taken up are as follows:

133. Hyper cube 7 format
134. Inward and outward unity state expansion of our solar universe
135. Numbers values ranges 1 to 16 and 17 to 32
136. 7-dimensional frame of 7-space domain and 7 artifices of number value

The values being covered are to be taught as lessons numbers 133 to 136 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-133****HYPER CUBE 7 FORMAT**

1. Hyper cube 7 format is of feature and values of four folds manifestation layer (5, 6, 7, 8) of summation value 26.
2. This format is of a transcendental dimensional order (5-space in the role of dimension of 7-space).
3. Further, this format is of a self-referral boundary (6-space) in the role of boundary of 7-space.
4. Still further, this format is of feature and value of unity state domain (7-space) content manifesting as a domain fold.
5. Still further, this format is of the features and values of a natural origin (8-space) in the role of origin of 7-space.
6. A step ahead, 9-space plays the role of base of the origin fold of unity state domain.
7. Here, 10-space makes a format for the base fold of hyper cube 7.
8. It would be a blissful exercise to glimpse and imbibe the features and values of
  - i. 5-space content manifesting as a domain fold of hyper cube 5 and playing the role of dimension of hyper cube 7.
  - ii. 6-space content manifesting as domain fold of hyper cube 6 and playing the role of self-referral boundary of hyper cube 7.
  - iii. 7-space content manifesting as domain fold of hyper cube 7.
  - iv. 8-space content manifesting as domain fold of hyper cube 8 and playing the role of origin fold of hyper cube 7.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. It would be a blissful exercise to visit and re-visit the transcendence range (3, 4, 5, 6, 7) of summation value 25 parallel to TCV value 25 of formulation prithivi, as well as of formulation Vishnu.

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11. It would be a blissful to take note that formulation damru also accepts TCV value 25.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
13. Transcendence range (3, 4, 5, 6, 7), and the values and format of 3<sup>rd</sup> row and 3<sup>rd</sup> column of (5 x 5) varga consonant deserve to be comprehended well for their complete appreciation.
14. One shall sit comfortably and to permit the transcending to trans and to glimpse and imbibe the unified existence phenomenon of triloki, trimurti and the unified godly state.
15. This shall be brings us face to face with sequential organization of (3, 4, 5, 6, 7) spaces domains manifestation.
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
17. The reach of dimensional frames of 7 dimensions deserves to be comprehended well.
18. The synthesis values range of 7 dimensions of same order, as well deserves to be comprehended well.
19. 7 linear dimensions synthesis value (28).
20. 7 spatial dimensions synthesis value (14).
21. The difference value  $(28-14) = (14)$  as such is the difference value of synthesis of 7 dimensions of a pair of consecutive dimensional order.
22. This leads to range of synthesis values of 7 dimensions of dimensional order as (28, 14, 0, -14, -28, -42, -56 ...).
23. This range of synthesis values of 7 dimensions of linear, spatial, solid creative and high dimensional order, namely (28, 14, 0, -14, -28, -42, -56 ...) can be extended for zero, negative linear, negative spatial, negative solid and further lower order as: (... , 56, 42, 28, 14, 0, -14, -28, -42, -56 ...).
24. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
25. It would be a blissful exercise to visit and re-visit space in-terms of a dimensional frame of 7 linear dimensions.
26. Further one shall also to visit and revisit space in terms of a dimensional frame of 7 dimensions of negative linear order, and in general for any given dimensional order ( $\mathbb{N}$ ).
27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values. ■



**LESSON-134**  
**INWARD AND OUTWARD UNITY**  
**STATE EXPANSION OF OUR**  
**SOLAR UNIVERSE**

1. Our solar universe existence phenomenon is of hyper cube 6 format.
2. Hyper cube 6 format is of features and values of a four folds manifestation layer (4, 5, 6, 7).
3. The transcendental boundary of 12 components and unity state origin of transcendental order lead to parallel inward and outward unity state expansion.
4. The transcendental boundary of 12 components with organization  $12 = (5+7)$  as of  $(12 \times 5) - (5 \times 7)$  coordinates leads to a phenomenon of strip off and the boundary of resulting into dimensionalization of outward as of unity state of a transcendental order.
5. The transcendence at the unity state origin, as well the feature and value of inward expansion of transcendental order.
6. It is this phenomenon of parallel outward and inward expansion of features and values of a unity state makes a triple values format (7, 6, 7) and a step ahead as a transcendence range (5, 7, 6, 7, 5) of sequential summation values.
7. The transcendental boundary itself is of a solid dimensional order.
8. The solid dimensional order (3-space in the role of dimension of 5-space with 4-space as boundary of 5-space, further leads to coordination of triple creative boundary components by the 3 dimensional frame of solid dimensional order of transcendental domain.
9. One may have a pause here and take note that this leads to an organization at the transcendental boundary, as a set up of triple creative boundary components with a transcendental boundary components.
10. One may have a pause here and take note that this makes a set up of  $(3 \times 4 + 5) = 17$  as such organization value.
11. One may have a pause here and take note that number value 17 is parallel to 17 as placement value of northern hemisphere of our solar universe.
12. Further as that, number value 17 as transcendental code value brings us face to face with the formulation *Aatma* (soul).
13. It also brings us face to face with formulation *Dravya* (content).
14. Still further, it also brings us face to face with the formulation *Divya* (transcendental).
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
16. It would be a blissful exercise to sequentially chase the organization formats and the boundaries of hyper cubes of different orders.
17. Let us revisit the organization at the transcendental boundary of self-referral domain of hyper cube 6.
18. It bring us face to face with  $(3 \times 4 + 5) = 17$
19. A step ahead, at the self-referral boundary of a unity state. We shall

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be having an organization of value  $(4 \times 5 + 6) = 26$ .

20. One may have a pause here and take note that number value 26 accepts re-organization as  $26 = (5+6+7+8)$ , which is parallel to the format of 4 folds manifestation layer of hyper cube 7 itself.
21. Likewise, it would be a blissful to reach at organizational value at  $(N, N-1)$  space) boundary of N-space.
22. It shall be leading us to the value  $(N-2) \times (N-1) + N = (N^2-2N-2) = (N-1)^2-3$ .
23. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
24. One shall revisit the organization format, feature of the set up of the self-referral domain (6-space as domain).
25. As 7-space plays the role of origin of 6-space, as such the split of 6-space domain, as a pair of 6-space domain and as a result their of. There being a release of 7-space origin, and the same shall be making an organization of triple values (6, 7, 6) of summation value  $(6+7+6) = 19$ , which is parallel to the placement value 19 of the southern hemisphere of our solar universe
26. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values
27. It would be a blissful exercise to revisit the organization of a pair of

values 17, 19 and same shall be comprehended and imbibed fully to acquire proper insight and proper enlightenment about this organization of a pair of hemisphere of our solar universe. ■

### LESSON-135

#### NUMBERS VALUES RANGES 1 TO 16 AND 17 TO 32

1. Numbers value range 1 to 16 as 6 primes sub range (2, 3, 5, 7, 11, 13).
2. Number value range 17 to 32 as sub range of prime (17, 19, 23, 29, 31).
3. One may have a pause here and take note that both these ranges are having sub ranges of 5 prime each namely (2, 3, 5, 7, 11, 13) and (17, 19, 23, 29, 31).
4. A step ahead, the values range 33 to 48 as a primes sub range (37, 41, 43, 47); sub range of only 4 primes.
5. The range of number 1 to 48, as such is having a sub range of as many as 14 primes.
6. Values pairs (14, 48), is having organization feature as that  $14 = (2+3+4+5)$  is parallel to the four folds manifestation layer (2, 3, 4, 5) of hyper cube 4 while number value  $48 = (2 \times 4 \times 6)$ , is parallel to the dimensional value of the dimensional frame of 6-space with 4-space as dimension as 2-space as dimension of dimension.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
8. The transition and transformation from number value 16 to number

value 17 as a pair of TCV values leads us to the pair of formulations (*Jeev, Aatma*)/(being, soul).

9. The formulation '*Jeev- Aatma*' is of TCV value  $(16+17) = 33$ , which inherently leads to transition attainment from value 32 to value 33.
10. One may have a pause here and take note that number value 16 accepts organization as  $16 = (5+6+5)$ , which is parallel to values triples (5, 6, 5) parallel to the format of release of self-referral origin from the transcendental domain.
11. One may have a pause here and take note that it is this feature which deserves to be comprehended well for its complete appreciation as this feature and values of transcendental domain is the basis base for the transcendental carriers carrying self-referral content up-till orb of the sun, a reach of transcendental carriers.
12. One may have a pause here and take note that values range 1 to 16 is the range of TCV values accepts by the letters of Devnagri alphabet.
13. Further as that, sole syllable Om accepts transcendental code value 16.
14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. Further, it would be a blissful exercise to reach at value 32 as the number of summation value of choices from values range (1, 2, 3, 4, 5, 6) for number value '6' itself.
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
17. It would be a blissful exercise to sequentially reach at the geometric format of number value 17 to 32.
18. Number value 31 is parallel to the structural set up of hyper cube 3 with cube being a structural set up of 31 components, namely, 8 corner points, 12 edges, 6 surfaces, 1 volume, 3 axes, 1 centre/ origin.
19. Further as that, number value 31 is the synthesis value of a pair of transcendence ranges of linear order.
20. Number value 17 is of organization (4, 4, 4, 5) at the transcendental boundary of self-referral domain.
21. One may have a pause here and take note that number value 60, with its organization (5+6+5) and the geometric format of release of 6-space origin of transcendental domain, at next step leads to the set up of 6-space domain getting enveloped within transcendental boundary.
22. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse this phenomenon of *Jeev-Aatma*.
23. A step ahead, the number value 18 with its organization (3+4+5+6) being parallel to four folds manifestation layers (3+4+5+6) of hyper cube 5, takes us to this format.

## Transcendental content

24. It would be a blissful to revisit above sequential features and values of values triple (16, 17, 18) for the parallel triple formulations (*Jeev, Aatma, Vidhya*) / being / soul / knowledge.
25. A step ahead, one shall sequentially glimpse and imbibe the values of quadruples numbers (16, 17, 18, 19).
26. The organization accepted by number value  $19 = (6+7+6)$  together with the organization at the transcendental boundary of 6-space as (5, 5, 5, 5, 6) of summation value 26 deserves to be comprehended well and to be fully appreciated for its complete imbibing for the proper insight and appropriate enlightenment of this phenomenon.
27. It would further be a blissful to take note that number value 20 is parallel to TCV value of formulation Ved.
28. Further number value 21 is parallel to 21 branches of rid Ved.
29. Still further number value 22 is parallel to four folds manifestation layer (4, 5, 6, 7) of hyper cube 6.
30. Still further number value 23 is parallel to TCV value 23 of formulation Shastra (1000, being the number of branches of Sam Ved.
31. Still further, number value 24 is parallel to TCV value 24 of formulation Pursha.
32. And a step ahead, number value 25 is parallel to TCV value 25 of formulation Vishnu.
33. The values triples (27, 28, 29) is parallel to TCV values (27, 28, 29) of formulation triples (of format of Nakshatras, Brahm and Brahman).
34. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
35. It would be a blissful exercise to tabulate formulations of TCV value 27 further one shall also tabulate distinctively of TCV values 28 and 29 respectively.
36. One shall update one's dictionary by making it as large, as possible to make entries regarding formulations of TCV values (1 to 16), (17 to 32), (33 to 48), in particular.

■

### **LESSON-136** **7-DIMENSIONAL FRAME OF 7-SPACE DOMAIN AND 7 ARTIFICES OF NUMBER VALUE 7**

1. 7 dimensional frame of 7-space domain is a synthetic set up of 7 dimensions of transcendental order (5-space in the role of dimension of 7-space).
2. 7-space domain accepts natural origin (8-space as origin) of self-referral order (6-space in the role of dimension of 8-space and 6-space in the role of boundary of 7-space domain).
3. 7 dimensional frame as such makes a 7 stream flow of transcendental features and values.
4. These 7 streams of transcendental feature and values, as such make 7 artifices of number value 7 parallel to 7-space domain with a 7 dimensional frame of transcendental order.
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged

sitting of trans and to glimpse and imbibe the above formats features and values.

- 6.7 dimensions of order-5 (5-space in the role of dimension of 7-space) lead to a sequential synthesis values range of 7 steps long set up as (5, 7, 6, 2, -5, -15, -28).
7. The difference values of consecutive value of this range comes to be [(7-5 = 2), (6-7 = -1), (2-6 = -4), (-5-2 = -7), (-15+5 = -10) and (-28+15 = -13)].
8. The above difference values range (2, -1, -4, -7, -10, -13) leads to difference between the above consecutive values being (-3) at each step.
9. One may have a pause here and take note that 3-space plays the role of dimension of 5-space, and as such the difference value (-3), as above, brings to focus upon the internal organization of synthesis of dimensions of transcendental order (order 5/ 5-space in the role of dimension) which itself is of a solid dimensional order as 3-space plays the role of dimension of 5-space.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
11. Now, when the synthesis values range of unity state dimension (7-space as dimension) is reached at, the same shall be leading us to the synthesis value range for 7 dimensions of unity state order as: (7, 9, 6, -2, -15, -33, -56)
12. It is this reach at value (-56) which accepts organization as (-7x8), deserves to be comprehended well for its through appreciation.
13. The sequential difference value of above range comes to be (2, -3, -8, -13, -18, -23).
14. The difference value for consecutive terms of above range comes to be (-5) at each steps.
15. This brings us face to face with the relationship of values pair (7, 5) as that 5-space plays the role of dimension of 7-space.
16. One may have a pause here and take note that the sequential reach from 7-space to 5-space to 3-space, as such bringing us face to face with the phenomenon of synthesis values of 7 solids dimensions (as dimension of dimensions of 7-space) leading us the synthesis values range which at 7<sup>th</sup> steps becomes of value (zero).
17. It is this feature which deserves to be comprehended well for its through appreciation as in terms of it we shall be acquiring proper insight and appropriate enlightenment as that at dimension of dimension level of 7-space, the reach ultimately would at value 'zero'.
18. It is this reach at value 'zero' which deserves to be comprehended well.
19. One shall visit and revisit this phenomenon.
20. It would be a blissful exercise to chase synthesis values range of dimension of solid order.
21. It shall be leading us to 7 steps long range being:

## Transcendental content

(3, 5, 6, 6, 5, 3, 0), a range of synthesis values of single, double, triple, quadruple, penta, hexa, hepta number of solid dimensional.

22. The above range will lead to difference values range of consecutive values as (2, 1, 0, -1, -2, -3).
23. This range will further lead to difference values range (1, 1, 1, 1, 1).
24. A step ahead, will be reach at values range (0, 0, 0, 0).
25. It is this zero values range of 4 steps at 4<sup>th</sup> range of difference of values, which deserves to be comprehended well.
26. It would be a blissful to take note that in case of each dimensional order, the difference values range at 4<sup>th</sup> step would be the zero values range.
27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
28. The zero value reach at 7<sup>th</sup> steps for solid dimensional order as dimension of dimension of unity state, is one feature which distinguishing unity state order from all other dimensional orders.
29. This feature deserves to be comprehended well for its through appreciation.



35

**ARCHI & RASHIMI**

This day the course focus is upon 'Archi & Rashimi'. Its four fold aspects being taken up are as follows:

133. Yeh trishapta paryanti vishwa
134. Archi, aarchik and rashimi
135. Vishwa to jagat (world to transcendental world)
136. Rahu and ketu vidhi vidhana (head and trunk)

The values being covered are to be taught as lessons numbers 137 to 140 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-137****YEH TRISHAPTA PARYANTI VISHWA**

1. Athrav Ved Samhita starts unfolding itself with first quarter of its first mantra of very first kanda as that '*yeh trishapta paryanti vishwa*/ Trishapta encircles this word.
2. One of the virtue of the values and features of formulation Trishapta (3 and 7) is that 7-space takes to 3-space.
3. 3-space as 7 geometries range. 3-space plays the role of dimension of dimension of 7-space.
4. Dimensional synthesis of solid order dimensions, 7 in number, lead to extinguishing value (0).
5. Hyper cube 3 (cube) accepts coordination for its all 8 corner points in terms of sequentially organized 7 edges.
6. Transcendental code value for formulation Ek (one) and of formulation Triya (three) is '8', in both cases.
7. Solid boundary of hyper cube 4 is of 8 components the spatial order of 4-space organizes solid boundary of 8 components as a format for 8 place value system and further as (4-1) and (4+1) for manifestation of double digit numbers along (4-1) multiplies by (4+1) grid format.
8. This organization feature  $8 = (3+5)$  leads to a take off at the solid boundary of its solid boundary components for manifestation of the outside space as dimensionalised transcendental space (5-space) of solid dimensional order.
9. This phenomenon results into the phenomenon of transcendental carriers of self-referral domain of creative order as 6-space plays the role of origin of 5-space.
10. The dimensionalization of outer space as of transcendental dimensional order sets the process of transcendental dimensional order further creating a unity state domain.
11. It would be a blissful to take note that 5-space domain in the process releases 6-space as origin, and a step ahead 6-space domain release as 7-space as origin.
12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above phenomenon of transcendental carriers and in the process at the first phase, there being a release of 6-space as origin, and at next phase their being release of 7-space as origin which in the role of dimension takes to Brahman domain (9-space domain).

## Transcendental content

13. One shall visit and revisit the format feature values of above transcendental phenomenon of its both phases.
14. Each phase has its distinct reach.
15. The reach of first phase is up-till the orb of the sun (origin of 6-space).
16. The reach of second space is of Brahman virtues (9-space virtues).
17. It would be a blissful exercise to visit and revisit the dimensional synthesis phenomenon which at its 4<sup>th</sup> step leads to range of value (0, 0, 0, 0 ...) for every dimensional order of any number of dimensions.
18. With this feature the unity state 7-space at its dimensional order 5-space as dimension and a head solid order (3-space as dimension of dimension of 7-space) makes Trishapta virtue of our Vishwa (world).
19. The unity state values transcendental flow from orb of the sun (origin of 6-space / 7-space of transcendental order), manifests ultimately as the solid order at dimension of dimension level of unity state existence phenomenon.
20. It would be a blissful exercise to glimpse and imbibe this phenomenon happening as a reality within rays of the sun.
21. Sadhakas fulfilled with intensity of urge to know and to explore further the transcendental phenomenon happening within rays of the sun shall initiate themselves with formulations Archi and Aarchik and to reach the organization format of Sam Ved Samhita of triple value format (6, 1, 22) of summation value '29' parallel to which is the

transcendental code value of '29' of formulation Brahma four head Lord, Creator's Supreme, the over Lord of real 4-space and presiding deity of measure of Sathapatya measuring rod presided by Lord Vishnu, over Lord of 6-space manifesting as Surya (Sun) along the format of hyper cube 6, the representative regular body of real 6-space.

22. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
23. One shall visit and revisit the above format features and values. ■

### LESSON-138

#### ARCHI, AARCHIK AND RASHIMI

1. Triple formulations (archi, aarchik and rashimi) accepts TCV values triples (7, 10, 17).
2. TCV values equations  $(7+10) = 17$  will help us glimpse through the parallel format feature of pair of formulation namely archi and aarchik on the one side and the formulation rashimi are the other side.
3. Summation value of values triple (7, 10, 17) as 34 with its re-organization as  $(7+8+9+10)$  and parallel to it the format of four folds manifestation layer (7, 8, 9, 10) of hyper cube 9 with 7-space in the role of dimension will further help us glimpse the format features values of set triple formulation.



4. The organization feature of quadruple number (7, 8, 9, 10) as  $((7+10) = (8+9))$  will further help us have an insight above the coordination of dimensional fold and origin fold, on the one side, and of boundary fold and domain fold, of hyper cube 9, on the other side.
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values
6. The coordination of dimensional fold with origin fold makes a flow format for the values of dimensional order of origin fold through the dimensional axis (dimensional fold itself).
7. Further the coordination of boundary fold and domain fold brings us face to face with the format feature of a framed domain.
8. One may have a pause here and take note that domain boundary ratio formulation  $a^n:2nb^{n-1}$ , further brings us face to face with  $2n$  place value system for the organization of values of numbers at the boundary fold.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. The values pair (8, 9) with re-organization as  $(2^3, 3^2)$ , as of reflection pairing of artifices along the vertical format, further brings us face to face with, 2 fold transcendence within the domain fold, firstly as of ascendance from base fold, through origin into domain fold, and secondly for the boundary through domain and origin for reach at the base fold.
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. These features in the context of triple formulations Archi, Aarchik and Rashimi deserve to be glimpsed and to be imbibed.
13. The simple English rendering for Formulation Rashimi is 'Ray of the Sun'.
14. Sun as a 6-space body will help us chase 6-space domain in terms of a self-referral range of 6 steps with 4-space as a measure of Sathapatya measuring rod of 6-space and Lord Brahma being the over Lord of 4-space and the presiding deity of measure of measuring rod and further as the formulation Braham accepts transcendental code value 29, as such the reach up-till value 34 shall be bringing us face to face with the self-referral range (29, 30, 31, 32, 33, 34).
15. This self-referral range brings us face to face with the domain fold of hyper cube 31.
16. It would be a blissful to take note that number value '31' is parallel to the synthesis value of a pair of transcendence range of linear order.
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and

imbibe the above formats features and values.

18. Still further, it would be a blissful to take note that Sam Ved Samhita is organization of feature (6, 1, 22) of summation value 29.
19. The values triple (6, 1, 22) takes us to (6-space, sole syllable Om and hyper cube 6).
20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
21. Sadhakas fulfilled with intensity of urge to know and to explore further shall initiate themselves about the transcendental carriers lively within rays of the sun (Surya Rashmia).
22. Sadhakas fulfilled with intensity of urge to know and to explore further shall glimpse and imbibe the values of numbers 1 to 1000 as Sam Ved as 1000 branches.
23. Sadhakas fulfilled with intensity of urge to know and to explore further shall glimpse and imbibe the format feature of formulation Aanant and Sahastra, both being of TCV value 23 each.
24. Sadhakas fulfilled with intensity of urge to know and to explore further shall chase number value 23 as  $(3+5+3 \times 5)$  parallel to the numbers pair (3, 5) as of the format of 3-space as dimensions, 5-space as domain.

■

### LESSON-139

#### VISHWA TO JAGAT (WORLD TO TRANSCENDENTAL WORLD)

1. Formulation pair (Vishwa, Jagat) is of TCV values pair of a TCV values pair (19, 13).
2. Values range with end values pair (19, 13) is of a unity state range of 7 steps reach (19, 18, 17, 16, 15, 14, 13).
3. One may have a pause here and take note that 6-space accepts 13 geometric ranges.
4. Further as that, formulation Krishna accepts transcendental code value 19.
5. It would be a blissful to take note that Lord Krishna is the incarnation of Lord Vishnu, the over Lord of real 6-space.
6. It is this reach of Lord Krishna of full range of 13 geometric of 6-space, which deserves to be glimpsed and to be imbibed.
7. Sadhakas fulfilled with intensity of urge to know and to explore further to sit comfortably and to permit the transcending mind to glimpse and imbibe the values of Virat-Swarup of Lord Krishna.
8. It would be a blissful exercise to chase unity state range of value 19 to 13 in both orientation of the reach from 19 to 13, as well as 13 to 19.
9. Both orientation reach from 19 to 13 and 13 to 19, as such shall be making a reach of unity state of 7 steps of value  $(19+13) = 32 = 2^5$ , at its each step.
10. This, as such brings us face to face with a unity state format of value 32 at each step, and there by their

being a availability of  $(32 \times 7) = 224 = (112+112)$  value.

11. One may have a pause here and take note that number value 112 permits organization as  $112 = (31+81)$ .
12. Further as that, number value 31 is parallel to set up of cube as of 31 structural components.
13. Still further as that, 3-space as origin of 2-space with square as the representative regular body of 2-space and square itself being a structural set up of 4 quarter square and there by their being an availability of quadruple cubes.
14. One may have a pause here and take note that  $81 = 3^4$ .
15. It would further be blissful to take note that values organization as  $112 = (31+81)$  leads us to NVF equation:  
NVF (mathematics = NVF (square) +NVF (cube).
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
17. It would be a blissful exercise to chase number value  $112 = 7 \times 16$ .
18. Further as that,  $16 = (7+9)$ .
19. Still further as that,  $(7, 7) = 9$  is the dimensional synthesis values equations of synthesis of a pair of dimensions of unity order (7-space as dimension of 9-space).
20. One may have a pause here and take note that 9-space domain, splits into a pair of 7-space domains.
21. One may have a pause here and to take note that above split spectrum of 9-space as a pair of 7-space domain, is parallel to the synthesis of a pair of unity state dimension as Brahman domain (9-space domain).
22. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
23. It would be a blissful exercise to chase number value 13 as of the format of 13 edged cube within 4-space.
24. This makes 13 edged cubes as a 4-space set up of the format of a single spatial dimension.
25. A step ahead, number value 14 takes to the four fold manifestation layer (2, 3, 4, 5) set up of hyper cube 4.
26. Number value 15 permits organization as  $15 = (1 \times 3 \times 5)$ , which is parallel to dimensional value of dimensional frame of 5 solid dimensions of transcendental domain (5-space).
27. A step ahead, the number value 16 with its organization as  $(5+6+5)$  leads us to the release of 6-space, as origin of 5-space.
28. Number value 17 is the value of placement of northern hemisphere of our solar universe.
29. It would be a blissful to take note that formulation Aatma accepts TCV value 17.
30. It would be a blissful exercise that number value 17 accepts re-organization as  $17 = (4+4+4+5)$ , it is this organization for the creative boundary of transcendental domain of solid dimensional order, which deserves to be glimpsed properly and to be comprehended fully.

## Transcendental content

31. This solid order organization leads to 6-space as origin of 5-space.
32. With it the solid order creation becomes of the format of hyper cube 5, as a four folds manifestation layer (3, 4, 5, 6) of summation value 18.
33. The 6-space origin as well permits transcendence up-till 7-space base.
34. One may have a pause here and take note that this amounts to release of 7-space base as origin of 6-space domain playing the role of origin of 5-space.
35. It would be a blissful to take note that this lead to value  $(6+7+6) = 19$ , parallel to the placement value of northern hemisphere.
36. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
37. One shall visit and revisit the above sequential organization steps of the range of end value pair (13, 19).
38. The formulation Jagat gives a sequential lead of TCV value (5, 4, 4), parallel to release of 5-space origin of 4-space.
39. This, this way brings us face to face with the sequential happening of values range with end value pair  $(4+5+4, 6+7+6)$ .
40. It would be blissful to take note that 4-space plays the role of dimension of 6-space, while 5-space plays the role of dimension of 7-space.
41. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the format feature values and virtues of reach from Vishwa (world) to Jagat (transcendental world).
42. Sadhakas fulfilled with intensity of urge to know and to explore further shall go the Brahman way to meditate within cavity of one's own heart and to be blessed with the grace of transcendental Lord.
43. A step ahead, one shall go the Lord Shiva way to mediate and to get blessed with the grace of self-referral Lord Vishnu.

■

### LESSON-140 RAHU AND KETU VIDHI VIDHANA (HEAD AND TRUNCK)

1. Of the 9 points range, the pair of end points makes a class in themselves.
2. The middle 7 points, that way, make a distinct class.
3. 9 points range makes 5<sup>th</sup> point as of middle placement.
4. Reach from 1<sup>st</sup> point to the 5<sup>th</sup> point, and a reach from 9<sup>th</sup> point to the 5<sup>th</sup> point, that way, are 5 steps long chase along opposite orientations organization.
5. 6-space plays the role of origin of 5-space.
6. 5-space is a solid order space (3-space plays the role of dimension of 5-space).
7. This leads to dimensional synthesis value equation  $(3, 3) = 5$ .
8. Further  $(3+3) = 6$ .
9. And,  $(3 \times 3) = 9$ .
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and

imbibe the above formats features and values.

11. The synthesis value of a pair of transcendence ranges of spatial order leads to synthesis value  $42 = (2+3+4+5+6) + (2) + (2+3+4+5+6)$ .
12. The number value 42 avails a pair of digit (2, 4) of format (2-space as dimension, 4-space as domain).
13. Number value 42 also accepts organization as  $42 = (21+21)$ .
14. And,  $21 = (1+2+3+4+5+6)$  is parallel to set up of a Sathapatya measuring rod synthesized hyper cubes 1 to 6.
15. It would relevant to take note that Rig Ved has 21 branches.
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
17. It would be blissful to take note that NVF (five) = NVF (Nine) = NVF (New) = 42.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. It would be a blissful to visit the shad chakras organization format of human body.
20. 5<sup>th</sup> chakras (5<sup>th</sup> eternal circuit) is located with-in (throat).
21. NVF (throat) =  $82 = (41+41) = \text{NVF (affine)} + \text{NVF (affine)}$ .
22. It would be a blissful to take note that number value 41 avails a pair of digit 1 and 4 and the same as end values of the range (1, 2, 3, 4) go parallel to the format of Sathapatya measuring rod of 4-space synthesis by hyper cube 1 to 4.
23. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
24. It would be a blissful to take note that number value 41 is parallel to 41 gaps units of 42 points range.
25. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
26. Still further, it also would be blissful to take note that 4-space plays the role of dimension of 6-space and this leads to a dimensional synthesis values equations  $(4, 4) = 6$ .
27. As such, the release of 6-space origin from 5-space domain, leads to an organization as that the split of transcendental domain into a pair of transcendental domain get enveloped within their respective creative boundaries supplied by 6-space domain in the role of dimension being a synthetic set up of a pair of creative dimension.
28. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
29. It would be blissful to visit the organization format of manifested state of human body being of

## Transcendental content

distinct part, as head and as Trunck on either side of the throat.

30. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
31. It would be blissful to take note that  $NVF(\text{head}) + NVF(\text{Trunck}) = (18+87) = 105 = (5 \times 21)$ , parallel to transcendental carriers path along the Sathapatya measuring rod as a synthetic set up of hyper cubes 1 to 6.
32. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
33. It would be a blissful exercise to glimpse and imbibe the format features values and virtues of TCV values of formulation pair (Rahu and Ketu ) as a pair of values (17, 14).
34. One may have a pause here and take note that number value 17 is parallel to transcendental code value 17 of formulation Aatma (soul).
35. Further, a number value 14 is parallel to transcendental code value 14 of formulation Shreer (body)
36. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
37. It would further be a blissful exercise to glimpse and imbibe the format features values of number value 31 as transcendental code value 31 parallel to dimensional synthesis value 31 of a pair of transcendence range of a linear order:  $31 = (1 + 2 + 3 + 4 + 5 + 6) + (1) + (1 + 2 + 3 + 4 + 5 + 6)$ .
38. It also would be blissful to take note that the formulation Dradha-Bhal (full power / force)/ binding value).
39. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
40. Sadhakas fulfilled with intensity of urge to know and to explore further shall initiate themselves for glimpse and imbibing the values of Charak Samhita (Ayur Ved scripture).
41. Sadhakas further fulfilled with intensity of urge to know and to explore further shall permit the transcending mind to trans and to glimpse and imbibe the values of transcendental Lord Shiv meditating upon self-referral Lord Vishnu and, self-referral Lord Vishnu mediating upon transcendental Lord Shiv.
42. Sadhakas further fulfilled with intensity of urge to know and to explore further shall have further initiation from senior Sadhakas to fully glimpse and imbibe Rahu and Ketu organization as the pair of end values for the in-between range values of unity state of all the 7 planets (Surya, Chandrma, Mangal, Budh, Brehspati, Shukr and Shani).
43. For complete enlightenment Sadhakas shall glimpse and imbibe the values of existence phenomenon of 120 years cycle of life

organization of the whole Brahman range (9-space range), as an organization with Rahu and Ketu being the pair of end values placement of the Brahman range.



**RELATIONSHIP OF 7-SPACE WITH 1 TO 13-SPACES**

This day the course focus is upon ‘Relationship of 7-space with 1 to 13 spaces’. It four folds aspects being taken up are as follows:

- 137. Organizational relationship of 7-space with 1 to 13 spaces
- 138. Fourteen components of self-referral boundary
- 139. Unity state VMS & T

The values being covered are to be taught as lessons numbers 141 to 143 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-141  
ORGANIZATIONAL  
RELATIONSHIP OF 7-SPACE WITH 1 TO 13 SPACES**

- 1. Number values range 1 to 13 with number value 7 of its middle placement, permits a bend at the middle and leads to 7x7 grid format.
- 2. 7x7 grid format accommodates 7 unity state ranges of linear, spatial solid creative transcendental self-referral and unity state orders.
- 3. Seven rows and seven column of grid 7x7, accommodate above set of 7 unity state ranges, as follows:

12 3 4 5 6 7  
 23 4 5 6 7 8  
 34 5 6 7 8 9  
 45 6 7 8 9 10  
 56 7 8 9 10 11  
 67 8 9 10 11 12  
 78 9 10 11 12 13

- 4. Row one and column one accommodate unity state range of linear order (1, 2, 3, 4, 5, 6, 7).
- 5. This linear order unity state range is of sequential format features of 1-space as dimensions, 2-space as boundary, 3-space as domain, 4-space origin, 5-space as base, 6-space as format, 7-space as unity state.
- 6. The second row and second column accommodate spatial order unity range (2, 3, 4, 5, 6, 7, 8) with 2-space as dimension, 3-space as boundary, 4-space as domain, 5-space as origin, 6-space as base, 7-space as format, 8-space as unity state.
- 7. Third row and third column accommodate solid order unity state range (3, 4, 5, 6, 7, 8, 9) with 3-space as dimension, 4-space as boundary, 5-space as domain, 6-space as origin, 7-space as base, 8-space as format and 9-space as unity state.
- 8. Fourth row and fourth column accommodate creative order unity state range (4, 5, 6, 7, 8, 9, 10) with 4-space as dimension, 5-space as boundary, 6-space as domain, 7-space as origin, 8-space as base, 9-space format and 10-space unity state.
- 9. Fifth row and fifth column accommodate transcendental dimensional order unity state range (5, 6, 7, 8, 9, 10, 11) with 5-space as dimension, 6-space as boundary, 7-space as domain, 8-space as origin, 9-space as base, 10-space as format and 11-space as unity state.
- 10. Sixth row and sixth column accommodate self-referral order unity state range (6, 7, 8, 9, 10, 11,



- 12) with 6-space as dimension, 7-space as boundary, 8-space as domain, 9-space origin, 10-space as base, 11-space as format and 12-space as unity state.
11. Seventh row and seventh column accommodate unity order unity state range (7, 8, 9, 10, 11, 12, 13) with 7-space as dimension, 8-space as boundary, 9-space as domain, 10-space as origin, 11-space as base, 12-space as format, 13-space as unity state.
  12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the features and values of 7 different folds of 7 different unity state ranges accommodated by 7 rows and 7 columns of 7x7 grid.
  13. It would be a blissful exercise to sequentially chase the organizational coordination of 7-space with 1 to 13 space.
  14. It would be a blissful to take note that in this organization of 7x7 grid, 7-space is marking its presence as dimension fold, boundary fold, domain fold, origin fold, base fold, format fold and unity state fold.
  15. 1-space is playing the role the dimension fold.
  16. 2-space is playing the role of dimensional fold and boundary fold.
  17. 3-space is playing the role of dimensional fold, boundary fold and domain fold.
  18. 4-space is playing the role of dimensional fold, boundary fold, domain fold and of origin fold.
  19. 5-space is playing the role of dimension fold, boundary fold, domain fold, origin fold and base fold.
  20. 6-space is playing the role of dimension fold, boundary fold, domain fold, origin fold, base fold and format fold.
  21. 8-space plays the role of boundary fold, domain fold, origin fold, base fold, format fold and unity state fold.
  22. 9-space plays the role of domain fold, origin fold, base fold, format fold and unity state fold.
  23. 10-space plays the role of origin fold, base fold, format fold and unity state fold.
  24. 11-space plays the role of base fold, format fold and unity state fold.
  25. 12-space plays the role of format fold and unity state fold.
  26. 13-space plays the role of unity state fold.
  27. One shall visit and revisit above roles of 1 to 13 spaces.
  28. It would be a blissful exercise to glimpse and imbibe the features and values of 1 to 13, in reference to the roles of 7-space.
  29. One may have a pause here and take note that 7-space as dimension creates 9-space domain.
  30. This relationship of 7-space and 9-space deserves to be glimpsed fully and same to be imbibed completely. ■

**LESSON-142**

**FOURTEEN COMPONENTS OF SELF-REFERRAL BOUNDARY**

1. Unity state domain (as domain fold of hyper cube 7) accepts self-referral boundary of fourteen components as per the domain-boundary formulation  $a^n:2nb^{n-1}$ ,  $N = 7$ .

## Transcendental content

2. Self-referral domain (6-space domain as domain fold of hyper cube 6) accepts transcendental boundary of 12 components.
3. Take off of transcendental boundary components, seven in number, dimensionalized the outer space of a transcendental dimensional order as a unity state space (7-space).
4. The dimensionalization of the space within a dimensional frame of 7 dimensions of transcendental dimensional order and the acceptance of unity state space of self-referral boundary of 12 components of transcendental boundary components deserves to be comprehended well for its complete imbibing and full appreciation to acquire proper insight and to attain appropriate enlightenment of this phenomenon of dimensionalization of the space as a unity state space enveloped with in a self-referral boundary.
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
6. It would be a blissful exercise to tabulate different feature and values of unity state space.
7. It would be a blissful exercise to chase dimensionalization of the outer space with a take off of transcendental boundary of self-referral domain.
8. Sadhakas fulfilled with intensity of urge to know and to explore further shall sequentially chase, as a first step the self-referral domain (6-space) getting enveloped within transcendental boundary of 12 components.
9. As a second step one shall chase the take off of transcendental boundary components at the boundary of a self-referral domain.
10. As a third step one shall chase the dimensionalization of the outer space of self-referral space as a unity state space.
11. As a fourth step one shall chase the enveloping of the unity state space within a self-referral boundary (6-space as boundary of 7-space).
12. Sadhakas fulfilled with intensity of urge to know and to explore further shall re-visit the transition as 6-space as domain fold to 6-space as boundary fold.
13. 6-space as domain accepts transcendental boundary and 6-space as boundary makes a self-referral boundary of unity state.
14. 6-space as domain accepts transcendental boundary of 12 components while 6-space as boundary splits itself into 14 components.
15. It is this set up of 6-space domain as of 14 components being enveloped within a transcendental boundary of 12 components, which deserves to be glimpsed properly for its complete appreciation, making a coordination of 14 self-referral domain components with 12 transcendental domain components.
16. It is this coordination of 14 self-referral domains in the role of boundary with 12 transcendental domain in the role of boundary which deserves to be glimpsed

properly for its organizational coordination.

17. One may have a pause here and take note that, it essentially takes the above coordination format as a bridge between the boundary fold of 6-space and 7-space respectively.
18. It is this bridging feature of transcendental boundary of 6-space with self-referral boundary of 7-space, which is to be worked out by the student of Vedic Mathematics, Science & Technology.
19. It would be a blissful to take note that scripture well preserve as working attainment as Dhruv mantra of 12 syllables: Om Namoh Bhagvate Vasudevaye.
20. It would be a very blissful exercise to experience and to imbibe the virtues impulses of consciousness bits of this mantra.
21. It would further be a blissful exercise reach at working attainment mantra of bridging between the boundary fold of a pair of consecutive hyper cube formats.
22. It would be a blissful exercise to visit and revisit the shad chakras format of human body being of external characteristics range of values (2, 4, 6, 8, 10, 12) parallel to the boundary components of hyper cubes (1, 2, 3, 4, 5, 6, 7) respectfully.
23. It would be a blissful exercise to extend the above range as (2, 4, 6, 8, 10, 12, 14, 16, 18, 20) parallel to boundary components of hyper cubes 1 to 10.
24. It would further be a very blissful exercise to glimpse and imbibe the values of transition of shad chakras

format of human body into ten chakras format of human body.

25. One may have a pause here and take note that it is this attainment which is aspired for by the Sadhakas of Vedic Mathematics, Science & Technology.
26. Sadhakas fulfilled with intensity of urge to have proper insight and appropriate enlightenment of Vedic Mathematics, Science & Technology shall sequentially initiate themselves for 10 Saraswati mantras, 12 Adhityas base of 12 syllables Dharv mantra, 14 Maheshwara sutras and 16 Ganita Sutras.
27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

■

### LESSON-143

#### UNITY STATE VMS & T

1. Unity state VMS & T is of the order of maruthganaha, ashvinkumarayo and nakshtras chase steps.
2. Marthganaha, ashvinakumarayo and nakshtras chase steps are of the format features and values of 14 mana mantras organization and of panchsnvastrs yuga organization.
3. These steps chase takes us to the domain of chandas, jyotish and kalap vedangas.
4. Further these take us to vaisheshik and Vedanta Darshan.
5. Sadhakas fulfilled with intensity of urge to glimpse and imbibe the values of unity state VMS&T shall initiate themselves for:

## Transcendental content

- i. Sole syllable om synonymn range:Om parnavha, Aum kar, udigath yakastkar, saptbahumi, ashtpararti, nav braham and par braham.
  - ii. Gyatri mantra format for whole range of transcendental values of Vedic mantras.
  - iii. Ten saraswati mantras.
  - iv. Dwadash akshra mantra (Dhruv mantra)
  - v. Fourteen maheshwara sutras.
  - vi. Sixteen Ganita Sutras and thirteen Ganita Upsutras.
  - vii. Chandas, jyotish and kalap vedangas.
  - viii. Vaishishek and Vedanta Darshan.
  - ix. Sathapatya and ayua upvedas.
6. Sadhakas fulfilled with intensity of urge to know and to explore further shall initiate themselves for Shakala Rig Ved Samhita.
  7. Sadhakas fulfilled with intensity of urge to know and to explore further shall go the nature way to organize for sustain-ness of Existence phenomenon of unity state format.
  8. Sadhakas fulfilled with intensity of urge to know and to explore further shall go the transcendental carrier way along the Sathapatya measuring rod format for reach up-till orb of the sun.
  9. Sadhakas fulfilled with intensity of urge to know and to explore further shall go Sri Sapt Sati way to glimpse and imbibe the Brahman and to be ever blissful.



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**REAL 8-SPACE**

This day the course focus is upon 'Real 8-space'. It four folds aspects being taken up are as follows:

144. Real 8-space

145. Hyper cube 8 domain fold

The values being covered are to be taught as lessons numbers 144 to 145 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-144****REAL 8-SPACE**

1. Real 8-space makes 'Natural order' (8-space in the role of dimension of Par Braham domain 10-space domain.
2. Unity state (7-space) Existence phenomenon is sustain by Natural order.
3. One way to glimpse and to imbibe the values of natural order sustainness of unity state is to have a simultaneous chase of artifices pair (7, 8).
4. Number value 8 accepts re-organization as  $8 = 2^3$ .
5. Number value 7 is parallel to 7 geometric range of 3-space.
6. The internal structural of cube brings us face to face with organization feature of domain fold of hyper cube 3 / volume part of the cube accepting a 3 dimensional frame of 3 linear dimensions superimposed upon a 3 dimensional frame of spatial dimensions, because of which cube split into 8 sub cubes.
7. One may have a pause here and take note that values pairs ( $1^3, 2^3$ ) makes a pair of elements of a sequence of cube ( $N^3$ ).
8. One may further have a pause here and take note that formulation Ek (One) accepts TCV value '8'.
9. Further formulation Triya (Three) as well accepts TCV '8'.
10. It would be a blissful to take note that  $NVF (Three) = NVF (Domain) = NVF (Light) = NVF (Half Black)$ .
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. It would be a blissful to take note that  $NVF (Eight) = 49 = NVF (Axes)$ .
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
14. It further as that,  $NVF (Origin) = 72$ , also takes us to the coordination of transcendental boundary of 12 components of self-referral domain accepting coordination in terms of  $(12 \times 6) = 72$  coordinates.
15. It would be relevant to take note that weight of domain is there because of the 'origin'.
16. It would be a blissful to take note that  $NVF (Weight) = NVF (Origin)$ .
17. It would be a blissful to take note that composition of formulation weight gives us a reach for its internal organization as  $NVF (W) + NVF (Eight) = (23+49)$ .

## Transcendental content

18. It shall further, bringing us face to face with the organization  $72 = (7 \times 7) + (3 \times 5) + (3+5)$ .
19. It will further bring us face to face with the organization  $2(6^2) = (7^2) + 3 + (4 \times 5)$ .
20. One may have a pause here and take note that  $N + (N+2) + (N+4)^2 = 2(N+3)^2$ .
21. The above origin value 72 takes us to the case  $N = 3$ .
22. It would be a blissful exercise to reach at above organization values for  $N = (4, 5, 6, 7, 8 \dots)$ .



### LESSON-145

#### **HYPER CUBE 8 DOMAIN FOLD**

1. Natural order (8-space in the role of origin) is the role played by 8-space content in its manifested form as a domain fold of hyper cube 8.
2. Hyper cube 8 is in its manifested in form, in creator's space (4-space) along the format feature of Idol of Lord Brahma.
3. Manifests a 4 folds manifestation layer (6, 7, 8, 9) / 6-space as dimensions, 7-space as boundary, 8-space as domain, 9-space as origin.
4. The values quadruple (6, 7, 8, 9) with summation value  $(6+7+8+9) = 30$  is parallel to 30 structural components of the set up of 3-space domain in a sealed state/ cube with sealed centre/ origin.
5. One may have a pause here and take note that the set up of sealed state cube is of 30 structural components, namely: 8 corner points, 12 edges, 6 surfaces, 1 volume, 3 axes.
6. The extension of this 4 fold manifestation layers (6, 7, 8, 9) as transcendence range (6, 7, 8, 9, 10) of summation value  $(6+7+8+9+10) = 40$  is parallel to the fixation of creative boundary of 10 components of transcendental domain in terms of (4 x 10) coordinates.
7. One may have a pause here and take note that 3-space plays the role of dimensions of 5-space.
8. One may have a pause here and take note that 3-space plays the role of boundary of 4-space.
9. In the light, it would be a blissful to take note that  $30+40 = 70$ , brings us face to face with the following features:
  - i. (70, 72) is of the format (dimension, domain).
  - ii.  $70 = (10 \times 7)$  and  $72 = (6 \times 12)$  brings us face to face with the phenomenon of creative boundary of transcendental domain (5-space), and transcendental boundary (4-space) of self-referral domain(6-space).
  - iii. Number value 70 is parallel to the domain split spectrum at its 5<sup>th</sup> stage spectra entities value (1, 2, 5, 12, 29, 70)
10. Further extension of self-referral range (6, 7, 8, 9, 10) into self-referral range (6, 7, 8, 9, 10, 11) leads to summation value  $(6+7+8+9+10+11) = 51$ , which is parallel to the format of Sathapatya measuring rod range of transcendental domain synthesized by hyper cubes 1 to 5 and parallel to it being the values range (1, 2, 3, 4, 5) with the pair of end values (5, 1) which as digit of 10 place value system along the creative boundary

- of transcendental domain makes a value (51).
11. A step ahead, unity state range leads to (6, 7, 8, 9, 10, 11, 12) of summation value 63.
  12. Still a step ahead, natural range (6, 7, 8, 9, 10, 11, 12, 13) is of summation value 76.
  13. And a step ahead, the Brahman range (6, 7, 8, 9, 10, 11, 12, 13, 14) is of summation value 90.
  14. And finally, par Brahman (6, 7, 8, 9, 10, 11, 12, 13, 14, 15) is of summation value 105 which permits re-organization as  $105 = (5 \times 21) = 5(1+2+3+4+5+6)$ , which is parallel to the transcendental carrier path along the Sathapatya measuring rod format.
  15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  16. Sadhakas fulfilled with intensity of urge to know and to explore further shall follow the transcendental carrier path to reach the orb of the sun for the grace for the Brahman carrier take over.
  17. One may have a pause here and take note that this transcendental carrier path along Sathapatya measuring rod format is of the features, values and virtues of lord Brahma attaining the grace of transcendental lord, and transcendental lord attaining the grace of self-referral lord and the self-referral lord going transcendental by transition and transforming from its creative order to the attainment of transcendental order.
  18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  19. Sadhakas fulfilled with intensity of urge to know and to explore further shall permit the transcending mind to continuously remain in prolonged sitting of trans to glimpse and imbibe the values and virtues of phenomenon of creative dimensional order of transition and transformation of transcendental order.
  20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
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**BRAHMAN DOMAIN**

This day the course focus is upon 'Brahman domain'. Its four fold aspects being taken up are as follows:

- 146. Brahman domain sustain integrating of natural domain
- 147. 9<sup>th</sup> sub cube

The values being covered are to be taught as lessons numbers 146 to 147 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-146**

**BRAHMAN DOMAIN SUSTAIN INTEGRATING OF NATURAL DOMAIN**

1. Hyper cube 8 with domain space as origin is the source bases of integration of 8-space domain.
2. Number value pair (8, 9) with its re-organization as  $2^3, 3^2$  help us to have insight about the organization format features and values of 8-space domain with 9-space origin.
3. Organization format  $2^3$  is of the feature of ascendance upward.
4. Organization format  $3^2$  is of the format feature of transcendence downward.
5. One may have a pause here and take note that origin fold is of a higher dimensional order than that of domain fold.
6. The values quadruples (6, 7, 8, 9) leads to its re-organization as a paired pair [(6, 8) and (9, 7)].
7. One may have a pause here and take note that dimension, domain) format in respect of hyper cube 1 takes us to (-1, +1).
8. The organization feature of a pair of values (-1, 1) is parallel to a pair of orientations.
9. One may further have a pause here and take note that there is increase towards one orientation, while there is a decrease towards other orientation.
10. Such a format of simultaneous increase and decrease from the common boundary fold, makes the boundary fold as of a middle placement.
11. This organization format feature when leads to origin of a placement in between the domain fold itself, the same result into sustain-ness of the domain fold by the origin fold by having simultaneous progression for both orientations as a parallel flow steam within the domain fold.
12. One may have a pause here and take note that of the end values pair (6, 9) of quadruples value (6, 7, 8, 9), the same brings us face to face with the re-organized set up for pair of value (6, 9) as (3+3, 3x3).
13. One may further have a pause here and take note that  $(3) \times (3) = (-3) \times (-3)$ , which amounts to superimposition of orientations.
14. It is this superimposition feature which makes end reach value, for both orientation and value reach (9), deserves to be fully glimpsed and to be completely imbibe for thorough imbibing their of.
15. One may further have a pause here and to permit the transcending mind to glimpse the distinguishing organization reach of addition as progression within the same domain, from that of multiplication



which takes from the domain of a given order to the domain of next order.

16. It is this distinguishing feature of origin fold (here 9-space) being of a pair of solid dimensions, the same that way, simultaneously will be having a pair of flow stream while in case of dimension 6 as a domain of progression values (3+3) will be of a single solid dimension format flow stream.
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans to glimpse and imbibe to reach from the side of dimension fold being of a single stream while the flow from the other end of the origin fold is going to be a pair of stream.
18. It is this reach from the single steam to a pair of stream, deserves to be comprehended well for appreciation of linear extension from 4 folds manifestation layer to 5 folds transcendence range.
19. It would be a blissful to take note that the synthesis value of the pair of solid dimension (3, 3) is '5'/transcendental domain.
20. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the above dimensional synthesis phenomenon which shall be brings us face to face with following triple distinctive values mathematics:
  - i.  $3+3 = 6$
  - ii.  $3 \times 3 = 9 = (-3) \times (-3)$
  - iii.  $(3, 3) = 5$
21. One shall sit comfortably and permit the transcending mind to

continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

22. Here in the context it also would be relevant to take note that  $NVF$  (nine) =  $NVF$  (five) =  $NVF$  (new) =  $42 = (21 + 21) = (1+2+3+4+5+6) + (1+2+3+4+5+6) = (1 \times 3 \times 7) + (1 \times 3 \times 7) = (2+3+4+5+6)+(2)+(2+3+4+5+6)$ .
23. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
24. It would be a blissful exercise to chase upward ascendance of unity state order (7-space as dimension of 9-space from 9-space as origin within 8-space as domain.
25. It would further also be a very blissful exercise to chase and to comprehend transcendence downward of 8-sapce domain through 9-space as origin with domain as a self-referral dimensional order (6-space as dimension of 8-space), shall be reaching up-till ten space as base of natural order (8-space as dimension of 10-space).

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### LESSON-147 9<sup>TH</sup> SUB CUBE

1. The split of cube into 8 sub cubes, and further split of 8 sub cubes into 8 sub-sub cubes each, on such split spectrum phenomenon brings us face to face with internal structural

## Transcendental content

organization of the domain fold of hyper cube 3/ cube.

2. The inner most sub-sub cube of every sub cube is of a unique placement.
3. The inner most above 8 sub-sub cubes together constitute a set up of the format feature of the sub cube of cube itself.
4. This as such, makes 9<sup>th</sup> sub cube of the cube.
5. The organization of cube as of 8 sub cubes come and further as of 9<sup>th</sup> sub cube, that way brings us face to face with the 2 folds organizational set up of the domain fold of hyper cube 3/cube.
6. This 2 fold feature of the organization of domain fold of hyper cube 3 /cube, deserves to be comprehended well for their distinctive feature.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
8. Scripture preserve the enlightenment about 2 fold format feature of Prakarti (Nature)/Asht Prakarti as of 8 features, and of 9 features, with 9<sup>th</sup> feature being Chatna / consciousness.
9. Sadhakas fulfilled with intensity of urge to know further and to explore further shall glimpse the Chatna/ consciousness feature of Asht Prakarti.
10. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to fully glimpse and imbibe the above 2 fold features and values of Prakarti (Nature).
11. It would be a blissful exercise to glimpsing a step ahead the set up of hyper cube 4 as a four folds manifestation layer (2, 3, 4, 5)/2-space as dimensional, 3-space as boundary, 4-space as domain and 5-space as origin.
12. It would be a blissful to comprehend as that the solid boundary of 4-space is of 8 components.
13. Further as that, the transcendental origin, as transcendental domain (5-space domain) permits transcendence from 5-space domain to 3-space dimension to 1-space as dimension of dimension.
14. The transcendence format (5, 3, 1) lead to summation value (5+3+1) = 9.
15. It would further be a blissful to take note that, 8 components permits organization as  $8 = (5+3)$ , and as such the strip off of 5 solid boundary components, dimensionalise the outer space as a transcendental space.
16. It would be very blissful to take note that 4-space has 9 geometric range and parallel to it hyper cube 4, accepts 9 versions with 9 versions being free of its all the 8 components of the boundary.
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
18. It would be a blissful exercise to glimpse whole range of domain

folds with the origin fold of all the 9 versions of hyper cube 4.

19. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the transcendence at the transcendental origin of domain folds of 9 version of hyper cube 4 with transcendence in each case being of transcendence format  $(5 \times 3 \times 1)$  of summation value  $(5+3+1) = 9$  and their by all the 9 transcendence streams shall be leading to grand value  $(9 \times 9) = 81$ .
20. One may have a pause here and permit the transcending mind to glimpse the following features
  - i. Number value 81 avail a pair of digit (8, 1).
  - ii. Values pair (8, 1) accepts re-organization as  $(2^3, 1^3)$ .
  - iii. Values pair  $(2^3, 1^3)$  is parallel to the pair of first 2 member of the sequence  $(N^3)$ ,  $N = (1, 2, 3, 4 \dots)$ .
  - iv. Number value 81 accepts re-organization as  $81 = 3^4$ .
  - v. 3-space plays the role of origin of 2-space, and square as 4 quarter squares shall be leading to quadruple flow stream of solid order which together shall be making a value  $3^4$ .
  - vi. NVF (Square) = 81.
21. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
22. Sadhakas fulfilled with intensity of urge to know and to explore further shall revisit the transcendence phenomenon within hyper cube 4

with its entire solid boundary of 8 components being intact.

23. The upward ascendance form the transcendental origin into creative domain shall be bringing us face to face with the phenomenon of superimposition of solid order upon the creative domain and same manifesting as format feature of 9<sup>th</sup> sub cube of the cube.
24. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.



This day the course focus is upon “. It four folds aspects being taken up are as follows:

148. Corner of a cube being the creative origin
149. Split in synthesis of natural domain and self-referral order

The values being covered are to be taught as lessons numbers 153 to 154 to the students of 6-space Vedic Mathematics, Science & Technology.

### **LESSON-148**

#### **CORNER OF A CUBE BEING THE CREATIVE ORIGIN**

1. Let us have a revisit to 9<sup>th</sup> sub cube of a cube.
2. Corner point of the 9<sup>th</sup> sub cube is the centre of the sub cube.
3. Centre of sub cube is the seat of a creator's space.
4. With it, each of the corner point of the 9<sup>th</sup> sub cube becomes a seat of a creator's space.
5. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
6. Let us have a fresh visit to the set up of a dimensional frame within corner of the cube.
7. Within the corner of the cube is embedded a 3 dimensional frame of half dimensions.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. Let us have a fresh visit to set up of a 3 dimensional frame of half dimensions is embedded within a corner of the cube.
10. The dimensions of this dimensional frame are of inward orientation.
11. The set of eight 3 dimensional frames of half dimensions are coordinated as quadruple paired pairs of dimensional frames.
12. Each pair of so coordination 3 dimensional frame get fixed in term and internal diagonal of the cube with the pair of end points of the diagonal being superimposed upon the corner points being the seats of origins of the dimensional frames.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
14. It would be a blissful to take note that the diagonal becomes the translation path of a pair of dimensional frames translating for their reach at centre of the cube where this pair of dimensional frames synthesis as a dimensional frame of full dimensions.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
16. One shall visit and revisit this synthesis phenomenon of a pair of 3 dimensional frames of half dimensions.

17. It would be a blissful exercise to glimpse and imbibe the format feature and values of happening of a synthesis of 4 quadruple 3 dimensional frames of full dimensions at the centre of the cube itself where already is their a 5<sup>th</sup> three dimensional frame of full dimensions.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. One shall sit comfortably and permit the transcending mind to glimpse and imbibe the happening of centre of the being a seat of all the five creative origins of 5 three dimensional frame of full dimensions.
20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
21. It would be a blissful exercise to glimpse and imbibe these features at centre of each of sub cube of the cube.
22. It would further be a very blissful exercise to further glimpse the manifestation of 9<sup>th</sup> sub cube within a cube of the set up of 8 sub cubes.
23. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
24. It would be a blissful exercise to visit and to revisit the corner points of the 9<sup>th</sup> sub cubes.
25. It would further be a very blissful exercise to visit and to revisit the centre of 9<sup>th</sup> sub cube.
26. Sadhakas fulfilled with intensity of urge to know and to explore further shall go a step ahead, and to split each of 64 sub-sub cube into 8 sub-sub-sub cubes, and in their by making a set up of 512 sub-sub-sub cubes.
27. The re-organization will bring us face to face with 65<sup>th</sup> sub-sub cubes.
28. It will further bring us face to face with the set up of 1000 branches of Sam Ved.
29. It will also bring us face to face with the organization of text of Ganita Sutras and Upsutras of 519 letters settles.
30. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

■

### LESSON-149 SPLIT IN SYNTHESIS OF NATURAL DOMAIN AND SELF- REFERRAL ORDER

1. Hyper cube 8 as four folds manifestation layer (6, 7, 8, 9) of summation value  $(6 + 7 + 8 + 9) = 30$  parallel to structural set up of cube as a sealed framed domain of 8 corner points, 12 edges, 6 surfaces, 1 volume and 3 axes deserves to be glimpsed fully for its complete imbibing.

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2. The domain boundary ratio  $a^8:16a^7$  as well deserves to be glimpsed fully to have insight about the unity state (7-space) boundary of 16 components of natural domain (8-space domain).
3. Sadhakas fulfilled with intensity of urge to know and to explore further about the organization format features and values of 16 Ganita Sutras and 13 Ganita Upsutras text of 519 letters in all shall glimpse and imbibe unity state boundary of 16 components of natural domain.
4. It is the take off of the unity state boundary components and the resultant dimensionalization of outer space as Brahman domain of unity state order deserves to be comprehended well for its through appreciation.
5. As 9-space accepts 8-space in the role of its boundary, as such the split of 8-space domain and synthesis of self-referral order are the features which deserve to be fully imbibed.
6. Self-referral dimensional order (6-space in the role of dimension) creates natural domain with Brahman origin (8-space as domain and 9-space as origin).
7. It is this feature which brings to focus the role of 9-space as origin to sustain integrated state of natural domain.
8. One may have a pause here and it brings to focus the values triple format (6, 6, 9) of integrated state of natural domain (8-space as domain).
9. One may have a pause here and take note that the triple values integration format (6, 6, 9) of natural domain leads to summation value  $(6+6+9) = 21$ , which accepts re-organization as  $21 = (1 + 2 + 3 + 4 + 5 + 6)$  parallel to the format of Sathapatya measuring rod synthesized by hyper cubes 1 to 6.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
11. One may have a pause here and take note that in general the triple values integration format for N-space domain comes to be (N-2), (N-2), (N-1) leading to summation value  $3N-3 = 3(N-1)$ .
12. One may have a pause here and take note that (N-1) space plays the role of boundary of n-space domain.
13. One may further have a pause here and take note that  $2(N-1)$  components are the boundary of (N-1) space itself.
14. As such, the structural components of domain and boundary come to be  $3(N-1)$ .
15. One may have a pause here and take note that the above feature deserves to be comprehended well to all value of n, and in particular for  $N = 8$ .
16. The format features and values of above split and synthesis phenomenon of dimensional domain, particularly of natural domain (8-space domain) deserves to be fully imbibed to acquire proper insight and to attain appropriate enlightenment above this phenomenon.
17. The sequential range of values  $3(N-1)$  for  $N = (1, 2, 3, 4, 5, 6, 7, 8, 9, 10$

- ...) leads to (0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42 ...).
18. One may have a pause here and take note that the value 21 for  $N = 8$  and value 42 for  $N = 15$  are of very rich structural set up.
  19. Number value 21 with its organization  $21 = (1 + 2 + 3 + 4 + 5 + 6)$  is parallel to the self-referral range for mat of Sathapatya measuring rod synthesized by hyper cubes 1 to 6.
  20. Number value 42 is the synthesis value of a pair of transcendental ranges of spatial order  $(2 + 3 + 4 + 5 + 6) + (2) + (2 + 3 + 4 + 5 + 6)$ .
  21. One may have a pause here and take note that the values pairs (8, 15) with its re-organization as (3+5), (3 x 5), further have a format of a very rich structure reservoir as that value pair (3, 5) is parallel to the format of (solid dimensional order, transcendental domain).
  22. It would be a blissful to take note that number value 15 is parallel to 15 geometric range of 7-space while number value 8 is parallel to the range of non-negative geometries of 7-space.
  23. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  24. It is going to be a virtue of blissful grace to imbibe the synthesis phenomenon of a pair of 6 dimensional frames.
  25. 6 dimensional frame is a set up of 6 creative dimensions.
  26. The synthesis of 6 creative dimensions sequentially leads to self-referral range (4, 6, 6, 4, 0, -6).
  27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  28. The dimensional synthesis value of 6 creative dimensions leads to a value (-6).
  29. The pair of 6 dimensional frame shall be leading to a pair of values (-6, -6).
  30. The synthesis value for the pair of value  $(-6, -6) = (-4)$  brings us face to face with the reach at negative creative dimensional order.
  31. It is this feature which deserves to be comprehended well.
  32. It is this feature which brings us face to face with the interrelationship of  $(6, 6) = 8$ ,  $(4, 4) = 6$ ,  $(-6, -6) = (-4)$ .
  33. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values. ■

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### **GRID 8X8 CELLS 8x8x8**

This day the course focus is upon 'Grid 8x8 Cells 8x8x8'. It four folds aspects being taken up are as follows:

150. Vidya

151. Grid 8x8 and cell 8x8x8

The values being covered are to be taught as lessons numbers 157 to 158 to the students of 6-space Vedic Mathematics, Science & Technology.

### **LESSON-150 VIDYA**

1. Formulation Vidya accepts transcendental code value '18'.
2. Number value 18 accepts re-organization  $18 = (3 + 4 + 5 + 6)$ , which is parallel to 4 folds manifestation layer (3, 4, 5, 6) of hyper cube 5.
3. The natural boundary of Brahman domain is of 18 components.
4. Scripture preserves that there are 18 discipline of knowledge (Vidya).
5. Each of the natural components of boundary of Brahman domain provides a format for distinct discipline of knowledge.
6. It would be a blissful to take note that the strip off of natural boundary components of Brahman domain leads to par Braham domain (10-space domain).
7. It is unison of natural order with Par Braham.
8. Sri Mad Bhagwat Geeta is the scripture of 18 virtues of yoga.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. Sadhakas fulfilled with intensity of urge to know and to explore further shall imbibe the range of 18 virtues of yoga of Sri Mad Bhagwat Geeta.
11. It is going to be of the order of the attainment of natural order.
12. Senior Sadhakas inspire the Sadhakas to be on the Sadhna path for attainment of the order of natural order.
13. The order of the natural order brings us face to face with the pair of values (16, 18) of summation value 34 which accepts as re-organization as  $34 = (7 + 8 + 9 + 10)$ , which is parallel to four folds manifestation layers of (7, 8, 9, 10) of hyper cube 9 of unity order.
14. A step ahead, is the attainment of natural order itself of the format of hyper cube 10 as a four folds manifestation layer (8, 9, 10, 11) of summation value 38.
15. One may have a pause here and take note that number value  $38 = (19+19)$  is parallel to southern hemisphere pairing with itself.
16. Northern hemisphere pair with itself and as a reach of value  $(17 + 17) = 34 = (7 + 8 + 9 + 10)$  parallel to the format of unity state order creation of Brahman domain.



17. Southern hemisphere pairing with itself is of value  $38 = (8 + 9 + 10 + 11)$  parallel to natural order creation of Par Brahm reach.
18. This is the reach of Vedic Mathematics, Science & Technology.
19. It is the reach of Vedic system.
20. It is reach of virtues of values of Vedic systems.
21. It is the reach of transition and transformation for the shad chakra format to Dash Chakra format of our Existence Phenomenon.
22. Let us blissfully aspire for this grace.
23. Let us attain this grace blissfully. ■

### LESSON-151

#### GRID 8X8 AND CELL 8X8X8

1. The chase of will bring us face to face with the Vedic system processing technique of acceptance of transcendental code value for formulation Ek (one) as 8. Sequential reach (8), (8x8), (8x8x8), ...) along the sequential format (1, 2, 3 ...).
2. The sequence (8, 8x8, 8x8x8 ...) with its organization as of sequential formats ( $8^1, 8^2, 8^3 \dots$ ) brings us face to face with its permissible reach as of features ( $1^1, 1^2, 1^3 \dots$ ).
3. It further brings us face to face with parallel reach for index values sequence (1, 2, 3 ...) and its sequential correspondence with  $1^1 = 1, 1^2 = 1, 1^3 = 1 \dots$ .
4. It further brings us face to face with the parallel format sequence of (unit of 1-space domain, unit of 2-space domain, unit of 3-space domain ...).
5. It further brings us face to face with (interval of unit length, square of unit area, cube of unit volume ...).
6. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
7. It would be blissful to glimpse internal organization of linear order 3-space domain accepting a 3 dimensional frame of linear dimensions with a 3 dimensional frame of spatial dimensions as its base.
8. It will further help glimpse a sequence of 3 dimensional frames of linear, spatial, solid and hyper solid orders.
9. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
10. It will further help glimpse the sequential split for 3-space domain as of 8 sub cubes, 8x8 sub-sub cubes, 8x8x8 sub-sub-sub cubes ...
11. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
12. It will further help us glimpse the manifestation of 9<sup>th</sup> sub cube within the set up of 8 sub cubes of cube.
13. It would be a blissful exercise to further chase the manifestation of

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9<sup>th</sup> sub-sub cubes within the set up of 8 sub-sub cubes of a sub cube.

14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
15. It would further be a very blissful exercise to chase structural components of 8 cubes synthesized together as a cube.
16. It would further be a blissful exercise to reach at structural components of 8x8 cubes synthesized as a cube.
17. It would further be a blissful exercise to chase structural components of 8x8x8 cubes synthesized as a cube.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. Sadhakas fulfilled with intensity of urge to know and to explore further shall have a fresh visit of the organization format feature of number value 8 permitting its re-organization as  $8 = 2^3$ .
20. It would be a blissful exercise to sequentially chase structural organization of values ( $1^3, 2^3, 3^3, 4^3, 5^3, 6^3, 7^3, 8^3 \dots$ ).
21. A reach from number value 8 to number value 8x8 by accepting number value 8 as number value 1 will give us insight about the internal organization format of domain fold being the third fold of 4 folds manifestation layer format of hyper cube N, for all values of N.
22. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
23. It would be blissful to revisit number value 8 with its organization  $8 = 2^3$  with base value 2 and index value 3.
24. One shall visit and revisit base value 2.
25. Further one shall visit and revisit base value 2 as  $2^0 + 2^0$ .
26. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
27. It would be a blissful to revisit value  $2^0$  as a pre dimensionalised state.
28. It would be a blissful to glimpse and imbibe the values equation  $N^0 = 1^0 = 1$  for value of N accepting same value during pre dimensionalised state.
29. One shall fully glimpse and imbibe  $8^0 = 1^0 = 1$ .
30. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values. ■

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## MANIFESTATION & DE-MANIFESTATION

This day the course focus is upon 'Manifestation & De-manifestation'. It four folds aspects being taken up are as follows:

152. Manifestation and de-manifestation of structural components during split and synthesis of domain fold
153. Real 8-space (16, 17, 18 & 19)

The values being covered are to be taught as lessons numbers 152 to 153 to the students of 6-space Vedic Mathematics, Science & Technology.

### LESSON-152 MANIFESTATION AND DE-MANIFESTATION OF STRUCTURAL COMPONENTS DURING SPLIT AND SYNTHESIS OF DOMAIN FOLD

1. Cube is a structural set up of 47 components.
2. Synthesis of 8 cubes as a cube amounts to  $(27 \times 8) = 216$  components making 125 components as 8 sub cubes of a cube of 27 components.
3. Values triple (216, 125, 27) accepts re-organization as  $(6^3, 5^3, 3^3)$ .
4. The difference values pair (91, 98) brings us face to face with the difference values of structures in the process of manifestation de-manifestation.
5. The next stage difference value  $(98-91) = 7$  further bring us face to face with effects of manifestation and de-manifestation of 3-space content

along the format of hyper cube 3, the format of a representative regular body of 3-space within 4-space parallel to a format of Idol of Lord Brahma, Creator's supreme.

6. One may have a pause here and take note that 3-space accepts 7 geometric range and parallel to it, there are 7 versions of hyper cube 3/cube.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
8. It would be a blissful exercise to glimpse the manifestation and de-manifestation phenomenon of structural components marking their presence as dimensional frame, boundary components and a domain fold and origin fold.
9. One may have a pause here and take note that 4 folds of hyper cube format bring into space content of 4 consecutive dimensional spaces.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
11. 4 consecutive space contents simultaneously manifests in their distinct roles as dimension fold, boundary fold, domain fold and origin fold.
12. Here in the context, it would also relevant to take note that 3 space dimensional frame is a set up of 3 dimensions which synthesis distinct

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values as single, double and triple dimensions.

13. Here it would be relevant to take note that the origin fold is of a dimensional order of one degree higher than that of domain fold.
14. This in a way amounts to going a step ahead of a existing dimensional frame of the domain fold under reference.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
16. One may have a pause here and take note that this feature is of artifices value of quadruple numbers (1, 2, 3, 8) making it parallel to the set up of single, double, triple and quadruple number of dimensions and the phase and stage of 4<sup>th</sup> dimensions being of a spatial order while first 3 dimensions being of a linear order.
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
18. One may have a pause here and to permit the transcending mind to revisit pair of quadruple value (1, 2, 3, 4) and (1, 2, 3, 8).
19. It would be a blissful to take note that number value 4 is a composite number value while first three numbers (1, 2, 3) is the triple of non-composite number.
20. Still further number value 4 is unique as that,  $2+2 = 2 \times 2 = (-2) \times (-2)$ , and further as that  $2^4 = 4^2$ .
21. The above values of superimposition of addition and multiplication the further superimposition of multiplication of pair of orientation and still further as that, vertical pairing reflection as well holding.
22. On this feature are not acceptable for other composite number which makes number value 4 and hence artifices 4, and parallel to it 4-space as a unique space.
23. It would be a blissful to take note that real 4-space is the creator's space.
24. Format feature, values and virtues of Idol of Lord Brahma are the format feature values and virtues of creation format.
25. It settles hypercube 4 format as the manifested creation format.
26. Hyper cube 4 accepts domain boundary formulation  $a^4:8b^3$ .
27. With it, hyper cube 4 domain gets enveloped within a solid boundary of 8 components.
28. It that way fixes the boundary of 8 components in terms of  $(8 \times 4) = 32$  coordinates within dimensional frame of 4-space.
29. As 4-space is a spatial dimensional frame as such 32 spatial coordinate gives rise to value  $(32 \times 2) = 64$ , which is the value of 4-space playing the role of dimensions of 6-space.
30. Further as that, a pair of creative order transcendence ranges synthesis value is 64.
31. Still further as that,  $32 = 2^5$  is parallel to the 32 options for reach at value 6 by making choices from within values range (1, 2, 3, 4, 5, 6).

32. Still further it would be relevant to take note that Sathapatya Ved settles 32 external gods.
33. And internal gods are 13 in number
34. It would be relevant to take note that 6-space as 13 geometric range and parallel to it, there are 13 version of hyper cube 6.
35. Further, within 4-space domain, 12edged cube manifests 13<sup>th</sup> edged.
36. Still further values pair (13, 31) and (1<sup>3</sup>, 3<sup>1</sup>) constitute reflection pair of values of horizontal and vertical format.
37. Still further that (32+13) = 45 = (1+2+3+4+5+6+7+8+9) is parallel to 9 geometric range.



**LESSON-153**  
**REAL 8-SPACE**  
**(16, 17, 18, 19)**

1. Natural boundary of 16 components of Brahman domain deserves to be glimpsed.
2. Parallel to it, the values of number value 16 as well deserve to be glimpsed.
3. Number value 16 deserves to be chased for its sequential strings [(16), (16, 17), (16, 17, 18), (16, 17, 18, 19), (16, 17, 18, 19, 20), (16, 17, 18, 19, 20, 21), (16, 17, 18, 19, 20, 21 ...)].
4. Quadruples value (16, 17, 18, 19) string on its chase, will also brings us face to face with 4 folds manifestation layers (16, 17, 18, 19) of hyper cube 18 format.
5. One may have a pause here and take note that summation value (16+17+18+19) = 70, is parallel to domain split spectrum entities (70)

- at fifth stage of split: (1, 2, 5, 12, 29, 70).
6. It would be blissful to take note that number value 30 permits re-organization as  $30 = (35 + 35) = (5 \times 7 + 7 \times 5)$ .
7. Still further it also would be relevant to take note that number value 70 makes a dimension, domain format as pair of values (70, 72) with organization for number value  $72 = (6 \times 12)$  goes parallel to fixation of transcendental boundary of 12 components of self-referral domain within creative dimensional frame of 6 dimensional frame.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. One shall sit comfortable and permit the transcending mind to continuously remain in prolonged sitting of trans and to sequentially chase a quadruples values (16, 17, 18, 19) string in terms of sequential availability of artifices [(16), (16 + 17 = 33), (33 + 18 = 51) and (51 + 19 = 70)].
10. Number value 16 and its 16 artifices on their chase shall be bringing us face to face with their features.
11. Amongst others, the following features of number value 16 and artifices 16 deserve to be comprehended well and to imbibed fully:
  - i.  $16 = 2^4$ .
  - ii.  $16 = 4^2$ .
  - iii. The string of values (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16) will

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- lead to  $2^{15}$  number of choices for making summation value 16.
- iv. Organization  $16 = (1+15, 2+14 \dots, 9+7, \dots)$  leads to internal organization features.
  - v. The organization feature  $16 = (10+6)$  will further organization  $10 = (1 + 2 + 3 + 4)$  and further  $6 = (0 + 1 + 2 + 3)$  lead to parallel format of hyper cube 3 and hyper cube 2 respectfully.
  - vi. The organization feature ( $16 = 9+7$ ) leads to the parallel format of the text of Ganita Sutra 1 as a composition of pair of words formulations of 9 and 7 letters respectively.
  - vii.  $16 = (2 \times 2 \times 2 \times 2) = (2 \times 2 \times 2 + 2 + 2 + 2 + 2)$  and the same is parallel to the TCV values equations  $TCV (Ek) = TCV (triya) = TCV (dwaya)$ .
12. It is blissful exercise to in list and to tabulate the internal organization of formulations of TCV 16.
  13. It would further be very blissful to glimpse common format feature of formulation of TCV value 16 each.
  14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  15. A step ahead it would be blissful to take note that quadruples value (16, 17, 18, 19) permits re-organization as  $(2 \times 8, 2 \times 8 + 1, 2 \times 9, 2 \times 9 + 1)$ .
  16. It would be a blissful to take note that above organization is parallel to sequential organization of 16 boundary components and 17 geometries range of 8-space, and 18 boundary components and 19 geometries range of 9-space.
  17. It is this reach which amounts to attainment of bridging of the gaps of the formats of 8-space and 9-space set ups along the format of hyper cube 8 and hyper cube 9 being available simultaneously.
  18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
  19. It would be a blissful exercise to revisit quadruples value (16, 17, 18, 19) and its regrouping as (16, 18) and (17, 19) of the common format of (dimension, domain).
  20. It would be a blissful to take note that the values pair (17, 19) is parallel to the organization of solar universe as a pair of hemi-sphere of placement value (17, 19).
  21. Still further, it would be a blissful to take note that number value 17 is parallel to transcendental code value 17.
  22. It would be a blissful to take note that formulation aatma accepts transcendental code value 17.
  23. Still further, it would be a blissful to take note that formulation dwar (door) accepts transcendental code value 19.
  24. One may have a pause here and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse dwar (door) for attma (soul).
  25. Sadhakas fulfilled with intensity of urge to know and to explore further shall glimpse this phenomenon

further, the way aatma through dwar reaches back and completes the cycle.

26. It would further be a blissful exercise to revisit quadruples value (14, 15, 16, 17) with number value 14 being parallel to the transcendental code value of shreer (body) and number value 17 being parallel to transcendental code value of formulation aatma (soul).
27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
28. Sadhakas further fulfilled with intensity of urge to know and to explore further shall revisit the values quadruple (11, 12, 13, 14) with number value 11 re-accepting organization number value 11 of 5-space in the role of origin of 4-space, while number value 14 accepting re-organization as  $14 = (2 + 3 + 4 + 5)$  parallel to 4 folds manifestation layers (2, 3, 4, 5) of hyper cube 4, the representative regular body of 4-space.
29. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
30. Sadhakas further fulfilled with intensity of urge to know and to explore further shall revisit the value quadruple (8, 9, 10, 11) with number value 8 permitting re-organization as (3+5) and number value 11 permitting re-organization as (3+5+3).
31. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
32. One may have a pause here and take note that hyper cube 5 accepts 4 folds manifestation layer format (3, 4, 5, 6) with 3-space in the role of dimension, and 5-space in the role of domain.
33. It is this interrelationship of value pair (3, 5), in its both orientation (3, 5) and (5, 3) and their unification parallel to the unification of values of synthesis of a pair of 3 dimensional frames of half dimensions synthesis and unifying as a 3 dimensional frame of full dimensions.
34. It would be a blissful to chase this phenomenon of synthesis and unification of a pair of 3 dimensional frames of half dimensions embedded in the corner points of the internal diagonal of the cube superimposed upon the corner point of the cube.
35. It is the translation path of the format of internal diagonal of a cube passing through centre of the cube as a seat of compactified origins which deserves to be comprehended well and to be fully imbibed for their complete appreciation to have proper insight and further to attain appropriate enlightenment of this phenomenon.
36. One shall sit comfortably and permit the transcending mind to

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continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.





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**ASPIRING FOR ORIGINAL GLORY**

This day the course focus is upon ‘Aspiring for original glory’. It four folds aspects being taken up are as follows:

169. Systems to be approached the system way
170. Vedic mathematics values sutras
171. Sathapatya measuring rod
172. Compactified mental states, intelligence field and consciousness state
173. Attainable values of Vedic mathematics research projects
174. Vedic mathematics
175. Sutras text to avail Devnagri alphabet values
176. Transcendental to self-referral and self-referral to unity state
177. Sequential manifestation and dissolution of Sathapatya measuring rod
178. Sequential mental stages
179. Manifestation and dissolution of hyper cube 1,2 and 3 within hypercube 1
180. Manifestation and dissolution of hyper cube 1,2,3 and 4 within hypercube 4
181. Dissolution Of Mental States And Emergence Of Existence Phenomenon Of Higher Orders
182. 3-space VMS & T
183. 4-space VMS & T

The values being covered are to be taught as lessons numbers 154 to 168 to the students of 6-space Vedic Mathematics, Science & Technology.

**LESSON-154****SYSTEMS TO BE APPROACHED****THE SYSTEM WAY**

1. First value of Vedic Mathematics research methodology is that Vedic systems to be approached the Vedic systems way.
2. Foundational rule of Vedic system is that the ‘beginning and end’ are to be at the same meant (placement).
3. Along the interval format it is going to be of the features of a pair of stream of opposite orientation of value steps of beginning form one end and there being a reach at the second end, and there from the reach is to be back to beginning point itself.
4. Along the circumference of a circle the beginning form a given point of a circumference with circumference it as the chase format shall be its own will take back to the starting point of circumference itself.
5. The same, to have its parallel along the diameter, as an interval of a pair of orientation help Vedic system to tane curvature and it as such, becomes the inherent potentiality of Vedic system.
6. This has Vedic systems way to have exhausted coverage for the domain as a range, is to be respected while exploring Vedic Mathematics values.



### LESSON-155

## VEDIC MATHEMATICS VALUES SUTRAS

1. Vedic Mathematics values, being the basic base value of Vedas, the same are blissful there everywhere in the Vedic scripture.
2. Vedas are four. The four Vedas (Athrav Ved), as its name well indicates the same is Ved of meanings of other three Vedas.
3. Vedic Mathematics values sutras (designated as Ganita Sutra and Upsutra) are the appendix portion of Athrav Ved.
4. Sathapatya upved (of Athrav Ved) as the name itself well indicates settles the manifested format for the values of Vedic knowledge and processing feature of Vedic system.
5. Sathapatya upved determines Sathapatya measuring rod for chase along the manifested format of knowledge value of Vedas.
6. Ganita Sutras become the basic base of Sathapatya measuring rod, and Sathapatya measuring rod become the settle processing format of Vedic Mathematics of Ganita Sutra and Upsutra.
7. Sadhakas fulfilled with intensity of urge to glimpse and imbibe the values of Vedic Mathematics shall imbibe the above feature of Ganita Sutras settling Sathapatya measuring rod and Sathapatya measuring rod itself settling the processing format of Ganita Sutras.



### LESSON-156

## SATHAPATYA MEASURING ROD

1. Sathapatya measuring rod is the processing format of Ganita Sutras and Ganita Sutras settling the Sathapatya measuring rod itself is the feature which makes Vedic system as self-referral and self sustained and self contained system.
2. Sathapatya measuring rod is the basic base of human frame, as well of the solar universe.
3. It is the synthetic setup of Sathapatya measuring rod as synthesis of hypercube 1 to 6, as a basic of human frame, as well as of solar universe, it brings to focus that glimpsing of Existence phenomenon on the part of Sadhakas (a living being within a human frame) is a phenomenon of intelligence field of Sadhakas.
4. As the intelligence field of Sadhakas accepts compactified mental states because of the manifestation format of Sathapatya measuring rod, as such the intensity of urge of the Sadhakas initiate transcendence for the mental states.
5. This transcendence phenomenon sequentially but phase wise causes transition and transformation for the mental states parallel to the consciousness field of the Sadhakas sustaining the intelligence field of Sadhakas. This bring to focus a value of Vedic system reach being parallel to the consciousness state of Sadhakas
6. This being so the research attainment of the Sadhakas, naturally would be parallel to Sadhakas consciousness state.

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### LESSON-157

## COMPACTIFIED MENTAL STATES, INTELLIGENCE FIELD AND CONCUSNESS STATE

1. Vedic Mathematics research methodology, that way gets personalized and gets straight a way linked with research scholar start with mental state, intelligence field sustaining it as formatted along scholar's consciousness state.
2. It becomes the solemn responsibility of the guru guide to have realistic index of the existence mental state, intelligence field and mental state of the Sadhakas scholars and to index the draw transcendental up lift ment going to be there of the Sadhakas during research duration and in the light of same to settle the research theme goal and attainable values.

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### LESSON-158

## ATTAINABLE VALUES OF VEDIC MATHEMATICS RESEARCH PROJECTS

1. Vedic Mathematics values being basis base of Vedas, and Vedic Samhita being the source reservoir of Vedic value and Sakalas Rig Ved Samhita being the source Samhitas reaching us intact from its first syllable till its last (4,32,000<sup>th</sup>) syllable, the attainable values of the Vedic Mathematics research project is to be to fully glimpse this ranges of values.

2. The starting with range of 519 letters of Ganita Sutras and upsutras, and with their help, sport and foundation to glimpse and comprehend the values range of 4,32,000 syllables of Sakalas Rig Ved Samhita, bring us face to face with the need of such a large number of Vedic Mathematics research results of attainable values to be aimed by all those who aspire to revive Vedic Mathematics of its original glory.

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### LESSON-159

## VEDIC MATHEMATICS

1. Vedic Mathematics is basic base mathematics of Vedas.
2. Reach to Vedas is upon foundational format of Vedangas.
3. Vedangas are six in numbers and Jyotish Vedanga, in particular avails the virtues of the values of basic base mathematics for organizational chase of solar universe on the time line of Jyoti.
4. With it, Jyoti becomes the basic base value of Vedic system, as reach steps of Vedas.
5. Vedas are four in number and they are elaboration of single wholesome Ved.
6. 'Ved' is manifestation of root 'Vid'.
7. Vid means 'to know, as well, what stand known'.
8. 'Vid' to 'gan-it' is the range of basic base values making Vedic Mathematics domain: 'vid' formulated are Vedic system and 'gan-it' is the Vedic Mathematics.

## Transcendental content

9. Vedic Mathematics research methodology comes to be, to glimpse and chase 'gan-it' and its preservations as 'guna-ka'.
10. To fold reach from 'gan-it' to 'guna-ka' and the other way round from 'guna-it samucchaya' to 'samucchaya guna-it' is going to be Vedic Mathematics research reach.
11. 'Guna-it Samucchaya' to 'Samucchaya Guna-it' are to be simultaneously glimpsed and same to be comprehend as complementary and supplementary reach values of Vedic Mathematics domain.



### LESSON-160

#### SUTRAS TEXT TO AVAIL

#### DEVNAGRI ALPHABET VALUES

1. Sutras text as reached us in Devnagri script. As such, Sadhakas desiring to reach at meaning and values of the original text itself, shall avail the format feature of Devnagri alphabet and values of individual letters of Devnagri alphabet.
2. Ganita Sutras and upsutras text is availing just 36 letters of Devnagri alphabet, as such to said 36 letters, in particular shall be glimpsed and there formats features and values to be imbibed fully.
3. With glimpsing and imbibing the format features and values of Devnagri alphabet, one shall also comes face to face with the Divya Ganga Parava (transcendental values flow of jyoti) through artifices of components of sole syllable Om

- manifesting as the formats of Devnagri and of Ganita Sutras.
4. The manifested formats are for the reach of values of Jyoti into Pravane reservoir of virtues.
5. This transcendental reach of Jyoti values and their transformation into Brahman virtue is the phenomenon with whose glimpsing and imbibing, the Sadhakas shall be melting their mental states and shall be attaining transcendental state.
6. It is with this transition and transformation for the mental state into transcendental state that Sadhakas shall be putting himself along the self-referral format and from this stage onwards to the unity state, the search would continue.



### LESSON-161

#### TRANSCENDENTAL STATE TO SELF-REFERRAL STATE AND SELF-REFERRAL TO UNITY STATE

1. Mental state to transcendental state is the learning state.
2. Transcendental state to self-referral state is the super wised research state.
3. Self-referral state to unity state is self guided and self evaluated
4. Unity state onwards till attainment of natural state is the glimpsing and comprehension state.
5. Natural state to Brahman state is the blissful existence state of the Sadhakas.
6. Therefore from learning stage to the blissful existence state, there are phases and stages through which Sadhakas intensity of urge to know is to

sequentially transit and these transition stages shall be bringing one phase to phase with different values and virtues of Vedic Mathematical domain.

7. These different phases and ranges of values of knowledge of Vedic Mathematical domain manifest parallel to different phases and stages of manifestation and dissolution of Sathapatya measuring rod itself.

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### LESSON-162

#### SEQUENTIAL MANIFESTATION AND DISSOLUTION OF SATHAPATYA MEASURING ROD

1. Sathapatya measuring rod is a synthetic setup of formats of hypercube 1 to 6.
2. The sequential manifestation of Sathapatya measuring rod is of phases and stages:
  - (I) Hypercube 1
  - (II) Hypercube 1 and hypercube 2
  - (III) hypercube 1, hypercube 2 and hypercube 3
  - (IV) Hypercube 1, hypercube 2, hypercube 3 and hypercube 4.
  - (V) Hypercube 1, hypercube 2, hypercube 3, hypercube 4 and hypercube 5.
  - (VI) Hypercube 1, hypercube 2, hypercube 3, hypercube 4, hypercube 5 and hypercube 6.

3. The manifestation of hypercube 1 within hypercube 1 and its dissolution within hypercube 1 are distinct features of manifestation and dissolution of this phase of Sathapatya measuring rod.
4. The manifestation of hypercube 1 and hypercube 2 (within hypercube

- 2) and their dissolution within hypercube 2 are distinct features of manifestation and dissolution of this phase of Sathapatya measuring rod.
5. The manifestation of hypercube 1, hypercube 2 and hypercube 3 (within hypercube 3) and their dissolution within hypercube 3 are distinct features of manifestation and dissolution of this phase of Sathapatya measuring rod.
6. The manifestation of hypercube 1, hypercube 2, hypercube 3 and hypercube 4 (within hypercube 4) and their dissolution within hypercube 4 are distinct features of manifestation and dissolution of this phase of Sathapatya measuring rod.
7. The manifestation of hypercube 1, hypercube 2, hypercube 3, hypercube 4 and hypercube 5 (within hypercube 5) and their dissolution within hypercube 5 are distinct features of manifestation and dissolution of this phase of Sathapatya measuring rod.
8. The manifestation of hypercube 1, hypercube 2, hypercube 3, hypercube 4, hypercube 5 and hypercube 6 (within hypercube 6) and their dissolution within hypercube 6 are distinct features of manifestation and dissolution of this phase of Sathapatya measuring rod.

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### LESSON-163

#### SEQUENTIAL MENTAL STATES

1. Linear order 3-space set up is a format is of first mental state of waking consciousness base.

## Transcendental content

2. Spatial order 4-space set up is a format is of second mental state of dream consciousness base.
3. Solid order 5-space set up is a format is of third mental state of deep sleep consciousness base.
4. Hyper solid 4 (creative) order 6-space set up is a format is of fourth mental state of Turya consciousness base.
5. Hyper solid 5 (transcendental) order 7-space set up is a format is of fifth mental state of transcendental consciousness base.
6. Hyper solid 6 (self-referral) order 8-space set up is a format is of sixth mental state of god consciousness base. ■
7. Each of 3 linear dimensions with 2-space as origin, give rise to a set up of 3 spatial dimensions.
8. The origin of 3-space is 4-space. The emergences of a spatial 3 dimensional frame of spatial dimensions within an cube with 4-space origin which itself being a spatial order space accepting dimensional frame of quadruple spatial dimensions.
9. One shall sit comfortably and permit the transcending mind to glimpse this phenomenon and to imbibe the values of the phenomenon of emergences and dissolution of hypercube 1, 2, and 3 within hypercube 3.
10. As such, it would be blissful to comprehend the way first mental state of linear order (waking state of consciousness) manifests and dissolves.
11. And this happen with release of spatial order 4-space at origin of 3-space /origin fold of hypercube 3 /centre of cube. ■

### **LESSON-164 MANIFESTATION AND DISSOLUTION OF HYPERCUBE 1, 2, AND 3 WITHIN HYPERCUBE 1**

1. Hypercube 1 is a four folds manifestation layer (-1, 0, 1, 2) of summation value '2'.
2. Hypercube 2 is a four folds manifestation layer (0, 1, 2, 3) of summation value '6'.
3. Hypercube 3 is a four folds manifestation layer (1, 2, 3, 4) of summation value '10'.
4. Of the 3 manifestation layer are of value  $2+6+10 = 18$ .
5. Hypercube 3 has a spatial boundary of 6 components.
6. Its fixation within 3 dimensional frames requires  $6 \times 3 = 18$  coordinates.

### **LESSON-165 MANIFESTATION AND DISSOLUTION OF HYPERCUBE 1, 2, 3 and 4 WITHIN HYPERCUBE 4**

1. Hypercube 1, 2, 3, and 4 are four fold manifestation layer of summation value 2, 6, 10, 14 of grand summation value 32.
2. Hypercube 4 accepts solid boundary of eight components which permit coordination in terms of  $8 \times 4 = 32$  spatial coordination.

3. One may have pause here and take note that the 3-space plays the role of origin of 2-space.
4. As such their emergences a solid dimensional frame of 4 dimensions.
5. Further as that 5-space which is a solid order space, plays the role of origin of 4-space. The emergences of solid dimensional frame of 5 solid dimensions dissolves the spatial creation within 4-space.
6. One may have pause here and permit the transcending mind to glimpse and imbibe to emerging phenomenon of manifestation and dissolution of hypercube 1, 2, 3 and 4 within hypercube 4.
7. Parallel to it would be the phenomenon of melting of second mental state and its transition and transformation into next that is 3<sup>rd</sup> mental state.
8. Like that one may glimpse the phenomenon of sequential emergence and feeding of manifestation creation within hypercube 5, 6, 7, 8, 9 respectively.
9. It would be blissful to glimpse and imbibe the value of sequential transition for the mental states.

### LESSON-166

#### DISSOLUTION OF MENTAL STATES AND EMERGENCE OF EXISTENCE PHENOMENON OF HIGHER ORDERS

1. Sadhakas fulfilled with intensity of urge to glimpse the existence phenomenon of different orders

- shall consciously glimpse the phenomenon of melting of mental state in a sequential flow.
2. Parallel to it would be the research attainment of the Sadhakas.
3. It would be a blissful to take note that the same text sequentially unfolds values of the existence phenomenon of whole range of orders.
4. This being so, while tabulating the research result one shall be consciously as to at what order of existence phenomenon the complication tabulation is being had.
5. Accordingly are the tabulation of values of 3, 4, 5 and 6 spaces mathematics, science and technologies.
6. One shall sequentially tabulate the values of 3-space VMS & T, 4-space VMS & T, 5-space VMS & T and 6-space VMS & T.

### LESSON-167

#### 3-SPACE VMS&T

1. 3-space Vedic Mathematics, Science & Technology (VMS & T) is of a linear order (1-space) plays the role of dimension and it is a format of measure /units. (1 as 1).
2. It is of hypercube 3 format.
3. 3-space content is the subject matter of 3-space sciences.
4. 3-space domain format is the subject matter of 3-space technologies.

**LESSON-168**  
**4-SPACE VMS&T**

1. 4-space Vedic Mathematics, Science & Technology (VMS & T) is of a spatial order (2-space) play the role of dimension and it is a format of measure /units. (2 as 1) and (1 as 2).
2. It is of hypercube 4 format.
3. 4-space content is the subject matter of 4-space sciences.
4. 4-space domain format is the subject matter of 4-space technologies.
5. Like that are the basic values of 5-space VMS & T and of 6-space VMS & T.
6. The settlement of hypercube formats, and of Devnagri alphabet of Ganita Sutras takes us to Divya Ganga Parvaha and as such Sadhakas fulfilled with intensity of urge to exposure further the basic of Vedic Mathematics research methodology shall glimpse and imbibe the phenomenon of Divya Ganga Parvaha and to comprehend number value formats for artifices of number values 1 to 26, and a step head, one shall also glimpse and imbibe the features of transcendental code values of words formulation of availing Devnagri alphabetic letters.

