

**Sri – Om**  
**VEDIC MATHEMATICS AWARENESS YEAR**

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*Swami Bharati Krshna Tirtha Ji Maharaj*  
 (1884-1960)

*All are invited to join Awareness program*

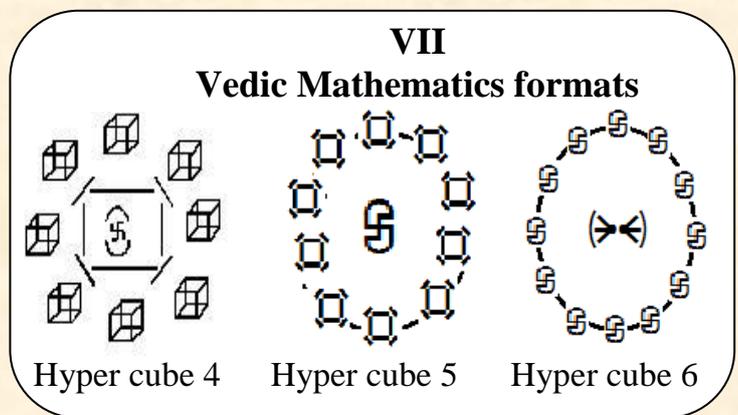
*All are warmly invited to join the awareness program of Vedic Mathematics. All teachers, parents and students are invited to Learn and Teach Vedic Mathematics for proper intelligence growth at School.*

Dr. S. K. Kapoor, Sh. Rakesh Bhatia,  
 Sh. Bhim Sein Khanna, Sh. Deepak Girdhar  
 - Organizers

**ISSUE NO 124**

*Vedic Mathematics  
 and Modern Mathematics*

- I. Vedic Mathematics and Modern Mathematics
- II. Second phase of applied values of Vedic Mathematics
- III. First assumption of the Book: Analytical Solid Geometry
- IV. Conics to Conicoids
- V. To Bag bodies to reach at space bed of bodies
- VI. Solid Domain



1. Vedic Mathematics formats base is transcendental (5-space) domain.
2. With it, hyper cube 5 format emerges as the source reservoir of features of Vedic Mathematics formats.
3. Hyper cube 5 format is of features of four fold manifestation layer (3, 4, 5, 6) within creator's space (4-space) along the format of IDOL of Creator, the supreme, the four head lord, Lord Brahma, with a pair of eyes equipped in each of

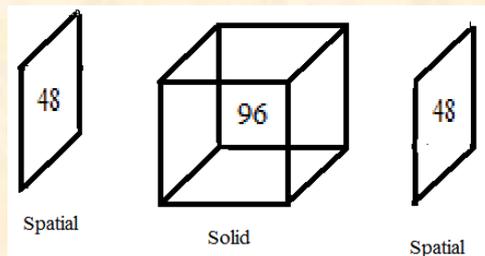
the four heads which makes creator's (4-space) of a spatial order (2-space in the role of dimension of 4-space)

4. The spatial order 4-space is of the features that along each of its pair of dimensions stands sustained four sequential progression ranges of values (n, n+1, n+2, n+3) and (n, n+1, n+2, n+3).
5. This availability of potentialities of pair of manifestation layers (1, 2, 3, 4) and (1, 2, 3, 4) being of linear order (1-space in the role of dimension), the same leads to synthetic set up of four fold paired pairs of synthetic value [(1, 1), (2, 2), (3, 3), (4, 4)]
6. This sequential range of paired pairs lead to synthetic values quadruple (3, 4, 5, 6) which is of a solid order (3-space in the role of dimension) of transcendental domain (5-space) manifesting as hyper cube 5.
7. One may have a pause here and have a fresh comprehension of the above emerging features.
8. It would emerge as that within 4-space which is a spatial order space accepting a dimensional order of four spatial dimensions and with it there would emerge a four fold manifestation format within the spatial dimension itself of 4 x 4 values arrangement leading to organization as under as 0 space plays the role of dimension of 2-space.

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

9. One may have a pause here and take note that the summation value of above values arrangement comes to be  $(0 + 1 + 2 + 3) = 6$ ,  $(1 + 2 + 3 + 4) = 10$ ,  $(2 + 3 + 4 + 5) = 14$ ,  $(3 + 4 + 5 + 6) = 18$  leading to grand total value  $(6 + 10 + 14 + 18) = 48$ .
10. The pair of faces of spatial dimension would lead to total grand value  $48 + 48 = 96$ .
11. One may have a further pause here and take note that the synthetic manifestation value between the organization of pair of faces of spatial dimensional order comes to be

3	4	5	6
4	5	6	7
5	6	7	8
6	7	8	9



With grand summation value  $(18 + 22$

+ 26 + 30) = 96, which is equal to the grand summation value of organization of pair of faces of spatial dimension.

12. One may further have a pause here and take note that the above synthetic organization of pair of faces of spatial order avails six manifestation layers in all namely

- (i) 1, 2, 3, 4,
- (ii) 2, 3, 4, 5,
- (iii) 3, 4, 5, 6
- (iv) 4, 5, 6, 7
- (v) 5, 6, 7, 8
- (vi) 6, 7, 8, 9

13. One may further have a pause here and take note that the above six manifestation layers of four folds each leads to arrangement and organization along the format 4 x 6 matrix / grid as under

- 1, 2, 3, 4,
- 2, 3, 4, 5,
- 3, 4, 5, 6
- 4, 5, 6, 7
- 5, 6, 7, 8
- 6, 7, 8, 9

14. One may further have a pause here and take note that 4 x 6 grid / matrix format accommodates 24 double digit numbers of five place value system 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 |

15. One may have a pause here and have a fresh look at the above arrangement of six layers of four folds along the 4 x 6 matrix / grid arrangement and to reach at grand summation value thereof and to be face to face with this summation value which comes to be  $10 + 14 + 18 + 22 + 26 + 30 = 120$ .

16. One may have a pause here and take note that the artifice value 120 accept re-organization as  $120 = (2 + 8 + 18 + 32) + (32 + 18 + 8 + 2)$ .

- 17. The organization  $120 = 60 + 60$  and  $60 = 2 + 8 + 18 + 32 = 1 \times 2 + 2 \times 4 + 3 \times 6 + 4 \times 8$ , is parallel to the summation of coordinates of boundaries of hyper cubes 1, 2, 3 and 4 respectively.
- 18. One may further have a pause here and take note that the summation value of coordinates of hyper cube 5 and 6 together comes to be  $5 \times 10, 6 \times 12 = 122$  which together with value 120 makes a ordered pair (120, 122) parallel to the format of (dimension fold, domain fold) / (n, n + 2)
- 19. One may further have a pause here and take note that the above features are parallel to the modern day reach of organization of periodic table of elements, and also the same are parallel to the study zone of Srimad Bhagwad Geeta which may be symbolically expressed as under:

Srimad Bhagwad Gita Study - Zone :										
$\frac{a}{2}$	$\frac{a^2}{4a}$	$\frac{a^3}{6a^2}$	$\frac{a^4}{8a^3}$	$\frac{a^5}{10a^4}$	$\frac{a^6}{12a^5}$	$\frac{a^5}{10a^4}$	$\frac{a^2}{8a}$	$\frac{a^3}{6a^2}$	$\frac{a^4}{4a^2}$	—
										
$2 \times 1 = 2$	$4 \times 2 = 8$	$6 \times 3 = 18$	$8 \times 4 = 32$	$10 \times 5 = 50$	$10 \times 5 = 50$	$10 \times 5 = 50$	$8 \times 4 = 32$	$6 \times 3 = 18$	$4 \times 2 = 8$	$2 \times 1 = 2$
Orbitals :				$350 + 350 = 700$						
2	6	10	14	$18 = 5 + 6 + 7$						

- 20. In this background it would be blissful to be face to face with the transcendental (5-space) code values of the formulation वर्ण / Varan / letter which comes to be TCV (वर्ण) = 18 which accepts re-organization as  $18 = 3 + 4 + 5 + 6$ , which further is parallel to four fold manifestation layer (3, 4, 5, 6) of hyper cube 5.
- 21. Still further It also would be relevant to note that TCV (वर्ण) = 31 which is parallel to the set up of 31 components of cube namely (8 corner points, 6 surfaces, 12 edges, 1 volume, 3 axis, 1 origin).
- 22. Here it also would be relevant to note that NVF (Cube) = 31 and NVF (letter) = NVF (Creator).
- 23. Further it would be blissful to be face to face with transcendental (5-space) code values of basic Vedic formulations:

(i) TCV (ऋक्) = 5 (ii) TCV (यजु) = 11 (iii) TCV (साम) = 15, (iv) TCV (अथर्व) = 17, (v) TCV (वेद) = 20 (vi) TCV (उपवेद) = 32, (vii) TCV (आर्यु) = 8, (viii) TCV (धर्तु) = 21, (ix) TCV (गंधर्व) = 30 (x) TCV (स्थापत्य) = 22.

24. The quadruple artifices (5, 11, 15, 17) with summation value  $5 + 11 + 15 + 17 = 48$  on chase shall be bringing us face to face with different features of transcendental (5-space) domain which accepts 11 versions of hyper cube 5 parallel to 11 geometries of 5-space and that 5-space is a solid order space accepting dimensional frame of five solid dimensions of value parallel to value of artifice 15. And still further as that artifices pair (15, 17) is parallel to (dimension fold, domain fold) format / (n, n + 2) format.

25. Here it also would be relevant to note that artifice value 48 with organization as  $48 = 2 \times 4 \times 6$  is parallel to the dimensional order of self referral (6-space) domain.

26. Here it also would be relevant to note that artifice value 48 is parallel to the summation value of arrangement organization of four manifestation layers of four folds along  $4 \times 4$  matrix / grid formats

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

27. The artifices quadruple (8, 21, 30, 22) with summation value  $81 = 3 \times 3 \times 3 \times 3$  on chase will bring us face to face the following features::

- i)  $8 = (6, 6)$  dimensional synthesis value of a pair of self referral (6-space) dimension pairs
- ii)  $21 = 1 + 2 + 3 + 4 + 5 + 6 = 1 \times 3 \times 7 = 3 \times 7$ , the Divya Ganga flow through the measuring rod of 6-space / Sun
- iii)  $30 = 6 + 7 + 8 + 9$ , which is parallel to four fold manifestation layer (6, 7, 8, 9) of hyper cube 8 of self referral (6-space) dimensional order
- iv)  $22 = (4 + 5 + 6 + 7) = 06 + 16$  which is parallel to the set up of creative (4-space) dimensional order of hyper cube 6.

28. The summation value  $8 + 21 + 30 + 22 = 81$  NVF (Square) and  $81 = 3 \times 3 \times 3 \times 3 = 3^4$  parallel to the dimensional frame of four solid dimensions will help us comprehend these features.

29. The transcendental (5-space) code values range (5, 11, 15, 17, 20) of formulations (ऋक्) (यजु) (साम), (वेद)) with summation value  $5 + 11 + 15 +$

- $17 + 20 = 68 = 34 + 34 = (7 + 8 + 9 + 10) + (10 + 9 + 8 + 7)$  parallel to the unity state set ups of hyper cube 9 being of unity state dimensional order leading to pair of manifestation layers (7, 8, 9, 10) will help us comprehend these organization features of Vedic Systems.
30. The TCV values range (8, 21, 30, 22, 29) of formulations (आर्यु), (धर्तु) = (गंधर्व) (स्थापत्य) (उपवेद) with summation value  $(8 + 21 + 30 + 22 + 29) = 110 = 55 + 55 = 5 \times 11 + 5 \times 11$  will further help us comprehend, appreciate imbibe and to have insight about the Vedic Systems.
31. Further the total summation value of above pair of TCV values ranges  $68 + 110 = 178 = NVF$  (Sunlight joint) will further help us appreciate and to have insight about the Vedic Systems parallel to the organization formats of Jyoti flow through rays of the Sun.
32. Amongst others, one feature being prominently availed by Vedic Mathematics is that of reflection operation as complementary and supplementary of it, the refraction operation as well is being availed by Vedic Mathematics.
33. Reflection operation prominently marks its presence in the working rule of Ganita Sutra 4 परावर्त्य योजयेत् । *Paravartya Yojayet* / Transpose and Apply
34. One may have a pause here and take note that reach at Sutra 4 is as a reach ahead of Ganita Sutras 1, 2 and 3. One of the features of this reach is parallel to the reach to number 4 as ahead of triple numbers (1, 2, 3).
35. Triple numbers (1, 2, 3) are non composite numbers triple.
36. Number 4 is the first composite number.
37. Amongst others the prominent features of number 4 are as that  $4 = 2 + 2 = 2 \times 2 = (-2) \times (-2)$  which is parallel to the features of super imposition of addition and multiplication operations as well as there being also super being the super imposition of pair of orientations.
38. It is this feature of super imposition of orientations, which has been marking its presence glaringly in the working rule values of Ganita Sutra 4.
39. Further here it also would be relevant to note that TCV (परावर्त्य) = 27 = TCV (सो पा ना).
40. Still further it also would be relevant to note that  $26 = 5 + 6 + 7 + 8$  which is parallel to four fold manifestation layers (5, 6, 7, 8) of hyper cube 7 of unity state (7-space state) set up of transcendental (5-space) order.

## Incredible India format

Today let us think of **Vedic sounds** to appreciate incredible India format, education policy direction, skills development vision and creation of jobs pool.

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**Earth to Pole Star Unity format Values  
(Black Matter and Light)  
Be parallel to Creations format  
120 years cyclic sustenance  
As is food so is mind**

## Incredible India format

Incredible India values format has a focus upon 'food' (*Ann*) as that 'as is food (*Ann*) so is mind (*Mann*)'. Purity of food is straight way linked with purity of mind. Vedic Systems have precisely worked out Existence within Human Frame about its sustenance values in terms of consciousness bits careers of intelligence bits as a field within mind intensified by the values of the food one eats. Number value format 'food' is 40 which is equal to number value format of mind. It is as it is.

Also see at [http://mygov.in/group\\_info/incredible-india](http://mygov.in/group_info/incredible-india)

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## Education policy direction

The Education Policy Direction shall give proper weight to the inter-relationship of 'food and mind'. Vedic Systems approach 'food' as Mahaishudham / transcendental medicine. Purity of food is responsible for purity of mind. Purity of intelligence and even purity of consciousness are ultimately linked with purity of food. Food becomes transcendental medicine through the process of mind & consciousness which is ultimately responsible for creation of transcendental medicine within body by mind.

Also see at [http://mygov.in/group\\_info/new-education-policy](http://mygov.in/group_info/new-education-policy)

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### Skills development vision

The skills development vision motivates creation of pure food by skills parallel to the processes of Nature. This motivation of going parallel to Nature is to be intensified with the urge of full comprehension for the insight as to how and to what extend and in which form the purity of food is ultimately linked with the purity of mind itself. It is only with understanding and insight of this interlinking of food and mind that skills development vision would get fulfilled. Let be as it is.

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Also see at [http://mygov.in/group\\_info/skill-development](http://mygov.in/group_info/skill-development)

### Jobs creation pool

Jobs creation pool is to be of inherent renewing feature parallel to the purification index progression of states of mind of the individuals. This inherent feature of renewing is going to be the ultimate strength of the jobs creation pool. The sustenance of jobs creation pool at its optimum renewing potentiality in itself is a big lot of lobs fulfilling jobs pool itself. Therefore making jobs creation pool as its optimum renewing sustenance is the basic concern of incredible India format.

Also see at [http://mygov.in/group\\_info/job-creation](http://mygov.in/group_info/job-creation)

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