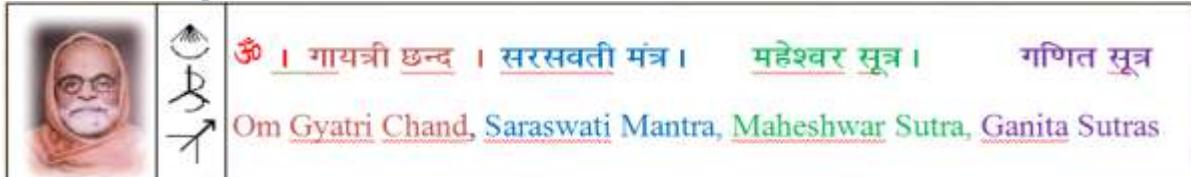


**Sri – Om**  
**VEDIC MATHEMATICS AWARENESS YEAR**

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**Formation of**

**VEDIC MATHEMATICS SCIENCE AND TECHNOLOGY  
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- =====
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  - 9. BRAHAM PURAN, BRAM VAIVERAT PURAN AND BRAHMANDA MAHA PURANAM**

**Values essence chase along the format of Satapatha measuring rod**

**XXII**

**Creative domain**

- 1. 4-space content lump manifests creative domain.
- 2. Domain fold of hyper cube 4 format is parallel to the format and features of creative domain.
- 3. Creative domain permits transcendence along and parallel to format and features of triple artifices (4, 2, 0) / 4-space as domain, 2-space as dimension and 0-space as dimension of dimension.
- 4. This feature leads to zero value and dimension of dimension level.
- 5. It is this feature of there being zero value at dimension of dimension level, which makes it unique.
- 6. The uniqueness lies in the fact that dimensional synthesis glue in case of spatial dimensions comes to be the zero value.
- 7. One may have a pause here and take note that  $4 = 2 + 2$  goes parallel to synthesis value of pair of spatial dimensions being ‘four’.

8. Further, the other way round also the split of creative dimension (4-space) in the role of dimension comes to be as a pair of spatial dimensions and the emergence of dimension of dimension release in the process is there as a zero value marking its presence.
9. One may have a pause here and take note that the values sequence (2, 4, 6, 8, 10, 12, ...) is parallel to the dimensional synthesis value of single, double, triple, quadruple and so on number of spatial dimensions.
10. One may further have a pause here and take note that the values sequence (2, 4, 6, 8, 10, 12, ...) is also parallel to the number of boundary components of hyper cubes 1, 2, 3, 4, 5, 6, 7, 8, 9, ...
11. One may have a pause here and permit the transcending mind to be face to face with these features of values sequence (2, 4, 6, 8, 10, 12, ...)
12. It would be blissful to visit and revisit the format and features of spatial dimensional order (2-space in the role of dimension).
13. It shall further be bringing us face to face with 'square' as representative regular body of 2-space.
14. Still further, it also would be blissful to take note that 'square' is the geometric body of format of hyper cube 2, which further is parallel to the format and features of four fold manifestation layers (0, 1, 2, 3)
15. One may have a pause here and take note that this format is of 0 dimensional order / 0-space in the role of dimension.
16. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of deep trans and glimpse this Phenomenon of 0-space playing the role of dimension, 1-space in role of boundary, 2-space in role of domain, 3-space in the role of dimension.
17. One may further have a pause here and revisit the set up of square as a polygon of 4 sides (polygon – 4)
18. Polygon – 4 accepts a pair of interval diagonals passing through the center of the square
19. One may have a pause here and have a fresh look at the set up of a pair of internal diagonals.
20. Infact from each of the four corner points of polygon 4, there emanates only single internal diagonal.
21. However, the other end of the internal diagonal with its reach to another corner of the square makes it to be an another internal diagonal of reverse orientation and both such internal diagonals get super imposed upon each other.
22. This feature of an internal diagonal deserve to be visited and revisited, time and again to comprehend, the emergences of hyper cube 1 format for the internal diagonal as a four fold manifestation layers (-1, 0, 1, 2)
23. One may have a pause here and take note that internal as well as square within a square are of hyper cube 1 and hyper cube 2 formats respectively.
24. One may further have a pause here and take note that hyper cubes 1 and 2 together, as such constitute a measuring rod of 2-space

25. One may further have a pause here and take note that the pair of axes of 2-space, shall be manifesting a format of a measuring rod of 2-space, as much as that the single axis shall be leading to manifestation of the format parallel to format of hyper cube 1 by both the axes together shall be manifesting a format parallel to the format of hyper cube 2.
26. One may further have a pause here and take note that within 3-space each surface has a pair of faces, of opposite orientation and with it the surface shall be creating a transcendence range parallel to artifices values (-2, -1, 0, 1, 2)
27. One may have a pause here and take note that 5-space plays the role of origin of 4-space
28. One may further have a pause here and take note that 5-space is of a solid dimensional order
29. Further it also would be relevant to note that the split of transcendence range (-2, -1, 0, 1, 2) as (-2, -1, 0, 1, 2) and as (0, 1, 2) with summation values (-2, -1 + 0) and (-3 and (0+1+2) = 3 shall be leading to the pair of artifices (-3, 3) which is parallel to split of a three dimensional frame into a pair of three dimensional frame of half dimensions being of opposite orientations.
30. It is this feature of surfaces of pair of faces and split of a three dimensional frame into a pair of three dimensional frame of half dimension of opposite orientations, which deserve to be comprehended well and to be thoroughly appreciated to have full insight about the features of spatial order set up of creative domain / 4-space as domain
31. One may further have a pause here and take note that 3-space plays the role of origin of 2-space and also 3-space plays the role of boundary of 4-space
32. This brings us face to face with the different roles of 3-space as domain fold of hyper cube 3, as boundary fold of hyper cube 4, as dimension fold of hyper cube 5 and as origin fold of hyper cube 2.
33. One may further have a pause here and take note that four different roles of 3-space as different folds of hyper cubes / manifestation layers permit organization as four consecutive hyper cubes / manifestation layers as 4 x 4 grid / matrix format within spatial order itself as under:

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

34. One may further have a pause here and take note that infact, in its generality n the different roles of n-space as well would get organized and coordinated along 4 x 4 format as under :

n-3	n-2	n-1	n
n-2	n-1	n	n+1

n-1    n    n+1    n+2

n    n+1    n+2    n+3

35. One may further have a pause here and take note that the total summation value of all the four folds of all the four manifestation layers accepting 3-space as its one of the folds comes to be  $6 + 10 + 14 + 18 = 48 = 2 \times 4 \times 6$  which is parallel to the product value of artifices triple (6, 4, 2) which further is parallel to the transcendence range (6, 4, 2) / (6-space as domain, 4-space as dimension, 2-space as dimension of dimension).

36. One may have a pause here and have fresh look at the set up of creative domain (manifested 4-space content lump) and different roles of 4-space permitting coordination along  $4 \times 4$  format as under:-

1	2	3	4
2	3	4	5
3	4	5	6
4	5	6	7

37. One may have a pause here and take note that summation value of all the four folds of all the four manifestation layers having one of its fold being the role of 4-space, coordinated as above comes to be  $10 + 14 + 18 + 22 = 64 = 4 \times 4 \times 4$

38. Still further One may have a pause here and take note that 4-space plays its role amongst following 4 transcendence ranges:

1	2	3	4	5
2	3	4	5	6
3	4	5	6	7
4	5	6	7	8

39. Total summation value of above four transcendence ranges comes to be  $15 + 20 + 25 + 30 = 90 = 45 + 45 = 5 \times 9 + 5 \times 9$ .

40. It would further be relevant to note that above four transcendence ranges are first four transcendence ranges of five transcendence ranges coordinated along  $5 \times 5$  format, as under with total summation value  $125 = 5 \times 5 \times 5$

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

41. One may further have a pause here and take note that solid boundary of creative domain is sustained by spatial dimensional frame of creator's space (4-space).
42. Spatial dimensional frame is a set up of four spatial dimensions.
43. Each spatial dimensions as a pair of eyes of zero order i.e. 0-space playing the role of dimension of 2-space
44. This, that way makes available a set of eight dimensions / axes of zero order.
45. However the origin of spatial dimensional frame itself has placement and origin of creator's space (4-space) i.e. at a seat of transcendental (5-space) origin as origin of 4-space.
46. One may have a pause here and take note that 3-space plays the role of origin of 2-space.
47. Further 3-space plays the role of dimension of 5-space.
48. 3-space itself as domain fold, as boundary fold of 4-space as dimension fold of 5-space and as origin fold of 2-space, all simultaneously play their role in settlement and placement and fixation of solid boundary of eight components of hyper cube 4
49. One shall sit comfortably and permit the transcending mind to be face to face with this Phenomenon of placement and fixation of solid boundary of 8 components enveloping 4-space domain
50. One may further have a pause here and take note that eight solid components of boundary of 4-space, as such manifests a format for four place value system.
51. One may have a pause here and take note that solid boundary of 8 components of hyper cube 4 manifests a format for four place value systems, as well as for eight place value system.
52. As origin of 3-space is 4-space, as such and initial stage with split of 3-space into eight octants, there emerges solid boundary of eight components enveloping 4-space release at center of the cube / origin of 3-space
53. One may have a pause here and be face to face with this initial stage being parallel to the collapse of cube at its center itself
54. It would be of the features of all the eight corner points collapsing along with their three dimensional frames of half dimensions at the center of the cube itself equipped with embedding of a three dimensional frame of full dimensions.
55. Now, at the next phase and stage of further split of each of the eight boundary components / sub cubes of cube / octants of 3-space, further in eight parts, that way shall be taking us to a set up of  $8 \times 8 = 64$  sub sub cubes.
56. One may have a pause here and take note that this sequentially shall be leading us to sequential values array ( $8^1, 8^2, 8^3, 8^4, \dots$ ), which is parallel to the format and features of 8 place value system..
57. One may further have a pause here and take note that the re-organization of  $8 = 3 + 5$  shall be leading us to  $3 \times 5$  grid / matrix format which shall be accommodating organization of double digit numbers of four place value systems as under

01

02

03

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

58. One may have a pause here and take note that the artifices quadruple (10, 20, 30, 100) of placement along the vest south diagonal of above 3 x 5 format will help us comprehend and appreciate the organization features of 3 x 5 grid format for double digit values of four place value system.

59. One may further have a pause here and revisit the organization of 4 x 4 format for different roles of 3-space accepting placements along the north east diagonal as under

00	01	02	03
01	02	03	04
02	03	04	05
03	04	05	06

60. One may have a pause here and have a fresh visit at the set up of solid boundary of eight components of hyper cube 4 and its re-organization as a split into two parts of three components and five components respectively.

61. One may further have a pause here and take note that the split pair (3, 5) accepts parallel values pair (3 x 3, 3 x 5) / (9, 15)

62. One may further have a pause here and take note that the values pair (3, 5) = is parallel to (dimension, domain format / 3-space as dimension, 5-space as domain).

63. The values pair (3 x 3, 3 x 5) permits re-organization as 3 x 3, 3 x 3 + 2 x 3

64. One may have a pause here and take note that the values pair 3 x 5 and the values pair (3 x 3, 3 x 3 + 2 x 3) are interconnected and coordinated along the format (3-space as dimension, 5-space as domain) by the Mathematics of '1 as 3' and '3 as 1'

65. One may further have a pause here and take note that domain boundary ratio  $A^n:2n B^{n-1}$  and split of boundary  $2n = (n-1) + (n + 1)$  will lead to artifices pair (n - 1), (n + 1) of the format of (n-1) space as dimension, n+ 1 space as domain will further lead to artifices values pair [(n x n - 1), (n, n + 1)]

66. For n= 3, it shall be leading to a pair of artifices values pair:

a) (3, 5)

b) (9, 15)

67. For n= 4, it shall be leading to a pair of artifices values pair:

a) (4, 6)

b) (16, 24)

68. For n= 5, it shall be leading to a pair of artifices values pair:

a) (5, 7)

b) (25, 35)

69. One may have a pause here and permit the transcending mind to be face to face with the above organization features of re-organization of boundary of hyper cube into a grid for (dimension fold, domain fold) and take off from the boundary for the format and features the organization set up of next consecutive hyper cube.

70. One may further have a pause here and take note that the above format and features of take off from the boundary of a hyper cube for a reach at the organization format of next consecutive hyper cube is the attainment of Vedic systems to ascertain continuity of Existence Phenomenon from the format of a given hyper cube to the format of next consutive hyper cube

71. It is this attainment which shall be imbibed fully.

72. It would be a blissful exercise to re-chase the steps of attainment of continuity from the format of hyper cube 4 to the format of hyper cube 5 by having take off at the solid boundary of hyper cube 4 by having its re-of as  $3 \times 5$  and attaining values pair (9, 15).

73. One may have a pause here and take note that artifice value 9 is parallel to 9 geometries range of 4-space, which further is parallel to 9 version of hyper cube 4 while artifice 15 is parallel to the dimensional value of 5-space ( $15 = 1 \times 3 \times 5$ )

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## XXIII

### Transcendental (5-space) domain

74. Transition from creative (4-space) domain to transcendental (5-space) domain, is of the format and features of transition from the domain fold of hyper cube 4 to domain fold of hyper cube 5

75. The creative boundary of hyper cube 5 is a set up of ten creative (4-space) components.

76. The artifice 10 permits re-organization as  $4 + 6$

77. It further leads us to values pair  $(4 \times 4) + (4 \times 6)$

78. One may have a pause here and take note that the creative boundary of ten components of transcendental (5-space) domain manifests a format for ten place value system.

79. Further it also would be relevant to note that creative boundary of 10 components permits a split as artifices pair, (4, 6) which leads to  $4 \times 6$  grid format for organization of double digit numbers of five place value system.

80. One may further have a pause here and take note that along the north east diagonal of  $4 \times 4$  grid for four consecutive manifestation layers having 5-space as its one of the folds, accepts common value (5) at all the four phases and stages of the set up of north east diagonal, which with its take off shall be playing the role of transcendental (5-space) dimension for unity state (7-space)
81. One may further have a pause here and take note that the take off at the creative boundary (4-space as boundary) of transcendental (5-space) domain, as per the re-organization of boundary of creative domain as of 8 components as (3, 5) with its organization of solid boundary of 8 components shall be leading to uniform values set up along west south diagonal.
82. One may have a pause here and permit the transcending mind to be face to face with these format and features coming into play simultaneously.

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## XXIV

### **Self referral (6-space) domain**

83. Self referral (6-space) domain is enveloped within transcendental (5-space) boundary of 12 components which permit re-organization as  $12 = 5 + 7$  and thereby being the emergence of a pair of values pair namely (5, 7) and (25, 35)
84. The transcendental (5-space) boundary of self referral (6-space) domain provides a format for 12 place value system.
85. Simultaneously re-organization of transcendental (5-space) boundary as artifices pair 5, 7 goes parallel to (5, 7) grid format for organization of double digit numbers of 6 place value system
86. One may have a pause here and be face to face with the simultaneous at play the take off at the transcendental (5-space) boundary of self referral (6-space) domain and also at the creative boundary being the boundary of boundary of self referral (6-space) domain.
87. This as such shall be bringing to focus simultaneous roles of spatial, solid and hyper solid – 4 orders.
88. It shall be bringing us face to face with the format and features of square as hyper cube 2, cube as hyper cube 3 and hyper cube 4
89. This further shall be bringing us face to face polygons (4, 5 and 6)
90. It would be blissful to chase simultaneously polygons 4, 5 and 6.
91. Polygon 4 (square) accepts a single internal diagonal from a given corner of square.
92. Polygon 5 permits a pair of internal diagonals from a given corner of polygon 5
93. A step ahead, polygon 6 permits triple internal diagonals from a given corner of polygon 6
94. One may have a pause here and take note that the internal diagonals of polygon 4 pass through center of square.

95. The internal diagonals of polygon 5 do not pass through center of the polygon. Rather internal diagonals construct internal polygon 5 concentric with the outer polygon 5.
96. On the other hand polygon-6 accepts half number of its internal diagonals to pass through the center of the polygon 6 and remaining internal diagonals construct hexagon / polygon 6 concentric with the outer hexagon / polygon 6
97. One may further have a pause here and have a fresh look at the features of polygon 4, 5 and 6, as much as that all the four internal diagonals of polygon 4 pass through the center of the polygon while none of the internal diagonal of polygon 5 passes through the center of the polygon and on the other hand half of the internal diagonals of polygon 6 pass through center of the polygon.
98. Further it also would be relevant to note that polygon 5 accepts internal polygon 5 constructed with inter sections of the internal diagonals
99. However internal polygon 6 as well stands constructed within polygon 6 but same is because of the intersection of only half number of its internal diagonals.
100. One may further have a pause here and take note that the polygon 5 becomes a class in itself, as much as that every polygon 5 accepts internal polygon 5 concentric with the outer polygon 5 and the process continuous ad-infinitum with the characteristics features that at no phase and stage any of the internal diagonal to pass through the center.
101. One shall have a pause here and permit the transcending mind to continuously remain in prolonged sittings of trans and be face to face with the Phenomenon of 'तेजःपुञ्ज' / *Tej-Punj* (package of transcendental dimensional frames) emanating from the center of pentagon ( polygon 5 / 5-space domain) / origin of 5-space / self referral (6-space) origin / orb of Sun.

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15-06-2015

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(*Ved Ratan*)