ॐ । गायत्री छन्द । सरसवती मंत्र । महेश्वर सूत्र । गणित सूत्र

Om Gyatri Chand, Saraswati Mantra, Maheshwar Sutra, Ganita Sutras

Vedic Mathematics,
(Sunlight format Mathematics)
Discipline of dimensional Synthesis
Mathematics Course

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Numbers & artifices of numbers to domains and dimension

1. For reach at the basic features of Vedic Systems, one of the needs would be to reach from '**Numbers & artifices of numbers to domains and dimension**'.
2. Each number has its characteristics artifices.
3. Infact artifices as well have numbers values and as such those are also numbers and therefore it becomes sequential to reach at artifices of artifices as well.
4. Likewise each domain has its dimensional frame, a set of dimensions and each dimension itself, as well is a domain, and that way, there is reach from domain to dimensions and from dimension to dimensions of dimensions.
5. When you say 'number 1', then we impliedly presume that it has single artifice.
6. Likewise number 2 has a pair of artifices.
7. Number 3 has triple artifices.
8. Parallel to it, 1-space has single dimension which constitute a single dimensional frame for 1-space (domain).
9. Likewise 2-space domain accepts a dimensional frame of a pair of dimension.
10. A step ahead, 3-space domain accepts a dimensional frame of triple dimension

11. Three dimensional frame is a set up of three linear dimension, it can be said that a three dimensional frame is constituted by a set of three linear dimension 'three 1-space' content lumps

12. 3-space domain is a 3-space content lump manifesting as a domain fold of a manifestation layer (1, 2, 3, 4) / (1-space as dimension, 2-space as boundary, 3-space as domain, 4-space as origin) / hyper cube 3 / cube.

13. Linear dimension is a 1-space content lump manifesting as 1-space domain, here playing the role of a dimension of 3-space.

14. The pair (3-space, 1-space) / (3-space domain, 1-space domain) / 3-sapce as domain, 1-space as dimension / 3, 1 / n, n -2 with n = 3, a domain fold, dimension fold format.

15. One may have a pause here and take note that the difference of values of numbers (n, n -2) is '2'.

16. One may further have a pause here and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse this Phenomenon and to be face to face with features of this Phenomenon, and to comprehend them properly, for their through appreciation and for their full imbibing to have clear comprehension and deep insight for the enlightened vision.

17. It would be a blissful exercise to tabulate numbers pair (n, n-2) with n as a number and (n-2) as artifice, and to reach at parallel features of n-space as domain within a dimensional frame of n dimension of values of n-2 space in the role of dimension of n-space.

18. Here it would be relevant to note that this pairing as n, n-2 for n = 3, leads to numbers pair (3, 1), which deserve to be chased as number '31' along the ten place value system.

19. One of the interpretation of number '31' comes to be that, it is parallel to 31 components of 'cube' / hyper cube 3

20. Here It would be relevant to note that structural component of cube constitute a set up of 31 structural component namely '8 corner points, 12 edges, 6 surfaces, 1 volume, 3 axes, 1 origin'.

21. In this background, number (31can be approach as first place digit '1' as linear dimension and second place value digit '3' as solid domain (3-space domain).

22. A step ahead number '42', will help us reach at its geometric format as 2-space in the role of dimension, 4-space in the role of domain.

23. In other word 3-space domain emerges as a linear order set up while 4-space domain emerges as a spatial order set up

24. One may have a pause here and take note that the 42 -31 = 11

25. One may further have a pause here and take note that number 11 is parallel to 11 geometries range of 5-space, parallel to which are 11 versions of hyper cube 5.

26. It would be a blissful exercise to sequential chase numbers sequence '31, 42, 53, 64, 75, 86, 97, 108 and so on'.

27. It further would be very blissful to chase 31, 20, 9, -2, -13, -24, -35, and so on.

28. One may further have a pause here and revisit '20',

29. Here It would be relevant to note that TCV (वेद) = 20 = TCV (देव)

30. It would be a very blissful exercise to tabulate Sanskrit words formulation of TCV value 20.

31. Infact, it would be the final exercise for the students of Vedic mathematics, Science & Technology, firstly to compile TCV values dictionary and secondly to reach at interlinking features thereof in reference to the formulations of TCV value 20.

32. One chain of coordination would be (10, 20, 30, 40, 50, ---) as 20 = 10 + 10, and as (10, 01) constitute a reflection pair, as such the number values quadruple $10 + 01 + 10$, $10 \times 10 + 01 \times 01$, $10 \times 10 \times 10$, $10 - 01$ deserve to be chased.

33. Here It would be relevant to note that Rigved has 21 branches, yajurved has 101 branches, Samved has 1000 branches and Atharavved has 9 branches.

34. Still further It also would be relevant to note that numeral 5 is of middle placement amongst the 9 numerals range (1, 2, 3, 4, 5, 6, 7, 8, 9) of ten place value system.

35. In the context, It would be relevant to note that under such organization, Atharaved is accepted as being of five branches only.

36. Still further it also would be relevant to note that numeral 3 is middle placement of five numeral range (1, 2, 3, 4, 5) of six place value system.

37. Here It would be relevant to note that 6 is the perfect number

38. Still further It would be relevant to note that the manifestation layer (0, 1, 2, 3) has six as summation value.

39. One may further have a pause here and take note that four fold manifestation layer that (0, 1, 2, 3) is of 2-space as domain fold

40. Still further it also would be relevant to note that artifices pair (0, 2) is of the format of 0-space as dimension and 2-space as domain.

41. Still further it also would be relevant to note that this feature deserve to be chased parallel to format of number 20 and of TCV value 20

42. Still further it also would be relevant to note that number 10 accept re-organization as $10 = 1 + 2 + 3 + 4$

43. It would be relevant to note that manifestation layer (1, 2, 3, 4) is of features of 3-space as domain.

44. One may further have a pause here and take note that numeral 2 is of middle placement of numerals range (1, 2, 3) of place value 4

45. One may further have a pause here and take note that number 4 is unique in many ways as that $4 = 2 + 2 = 2 \times 2 = (-2) \times (-2)$ and further as that $2^4 = 4^2$

46. Still further it also would be relevant to note that $2^3 = 8$ and $3^2 = 9$

47. Still further it also would be relevant to note that solid boundary of 4-space is of 8 components while 4-space accepts 9 geometries range, parallel to which are 9 versions of hyper cube 4.

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