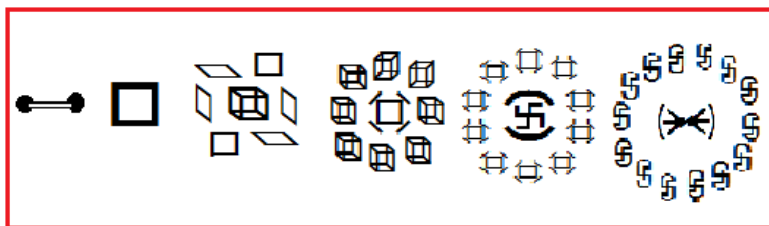


VEDIC MATHEMATICS

&

MODERN MATHEMATICS

SATHAPATYA MEASURING ROD



(HYPER CUBES 1 TO 6)

Eighth Week : Day 1

Ganita Sutra-1

1. We may begin consolidation of Mathematics values results starting with Ganita Sutra-1
2. This chase sequentially is to be along the formats of hyper cube-1, 2, 3, 4, 5, 6.
3. Simple English rendering for 'एकाधिकेन पूर्वेण।' is : 'one more than before'.
4. This gives rise to the sequential order
5. It is this sequential order value which is to bind the whole chain of values as organization format.
6. The organization format so structured shall be of inherent organizing power which be taken as parallel to the organizing power of pure knowledge.
7. '+1' and '-1' being of same absolute value and as such the pair of values '+1, -1' shall be taken as expressions of organization features of absolute value '1'.
8. Text of Ganita Sutra-1 begins with sixth vowel (ए) and concludes with first vowel (अ).
9. This, that way settles the range as from sixth vowel to the first vowel.
10. One may have a pause here and take note that the pair of ranges 'first vowel to sixth vowel' and 'sixth vowel to first vowel' are of opposite orientations but both being of six steps set up.
11. One may further have a pause here and take note that the range 'Earth, Water, Fire, Air, Space, Sun as well is of six steps set up'.
12. In opposite orientation, this range is of steps 'Sun, Space, Air, Fire, Water, Earth'.
13. Here it also would be relevant to note that $NVF(\text{Earth}) = 52 = NVF(\text{Six})$.
14. Further it also would be relevant to take note that five senses and sixth

mind, together as well, constitute a set up of six steps.

15. Here it also would be relevant to note that '6' is the first perfect number.
16. Still further as that Vedic Systems associates number '6' with the Sun.
17. With it the values, features and format of number '6', that way becomes the source reservoir of mathematics values.
18. That being so, the text of Ganita Sutra-1, which is a composition of 16 letters will bring to focus.
19. As another source reservoir of mathematics values which is playing its role in organization of the text of Ganita Sutras.
20. Here it would be relevant to note that there are 16 Sutras.
21. Further as that $16 = 2^4 = 4^2$
22. This unique feature ($2^4 = 4^2$) brings us face to face with vertical reflection pairing of base and index values.
23. Here it would be relevant to take note that the numbers pair (+1, -1) is horizontal reflection pairing.
24. Further it also would be relevant to note that (06, 16) are the first two sequential values of sequence of numbers with first digit value being '6'
25. Here It also would be relevant to note that text of Ganita Sutra-1 is a composition of two words formulations namely (Ekadhiken) and (Purven).
26. This Pair of formulations avails 9 and 7 number of letters and that way it brings to focus the numbers pair (9, 7).
27. One may have a pause here and take note that the numbers pair (9, 7) is parallel to spaces pair (9-Space, 7-Space) which is further parallel to 9-

Space as domain and 7-Space as dimension.

28. One may further have a pause here and take note that 9-Space has origin source reservoir shall be manifesting 6-Space as self referral (6-space) domain for eight fold nature with hyper cube-8 format of four fold manifestation layer (6-Space as dimension, 7-Space as boundary, 8-Space as domain, 9-Space as origin).
29. One shall sit comfortably and permit the transcending mind to glimpse this manifestation Phenomenon.
30. The text of Ganita Sutra-1 deserve to be chased in its both orientations to comprehend and to appreciate the values of its organization as well as the values of Sutras Mathematics
31. One shall chase text of Ganita Sutra-1 as sixteen sequential steps in their both orientations marking their presence as under :

Forward orientation from 1st letter to 16th letter

1	2	3	4	5	6	7	8
ए	क्	आ	ध्	इ	क्	ए	न्

9	10	11	12	13	14	15	16
अ	प्	उ	र्	व्	ए	प्	अ

Backward orientation from 16th letter to 1st letter

16	15	14	13	12	11	10
अ	प्	ए	व्	र्	उ	प्

9	8	7	6	5	4	3	2	1
अ	न्	ए	क्	इ	ध्	आ	क्	ए

32. It would be relevant to note that above sequential orientation pairs of the text of Ganita Sutra-1 preserves

structural keys to reach at values of the Mathematics and Mathematics systems of Ganita Sutras (and Upsutras).

33. The consolidation of values of Vedic Mathematics (and of Vedic mathematics, Science & Technology, is going to be the blissful exercise of chase of the organization of text of Ganita Sutras and Upsutras in terms of the structural keys preserved in the sequential steps of both orientations of text of Ganita Sutra-1 from its first letter to sixteenth letter and vice versa from its sixteenth letter to the first letter.
34. This tabulation is going to be of range parallel to 'Earth to Sun' range and back from Sun to Earth.
35. It as such is going to be parallel to the format, features values and virtues of sathapatya measuring rod as format for manifestation of the text of Ganita Sutras and Upsutras.
36. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of deep trans and to be face to face with manifestation of the text of Ganita Sutras and Upsutras upon the format of Sathapatya measuring rod.
37. It would be a very blissful exercise to attempt consolidation of the values of Vedic Mathematics and of Vedic mathematics, Science & Technology.

