

Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

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'Credit goes to Swami Bharti Krshna Tirtha Ji Maharaj to focus the attention of present generation about the values of Ganita Sutras (mental Mathematics Sutras)'

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

Vedic mathematics, Science & Technology
UNIVERSITY CONCEPT

XII

21 Branches of Rigved Samhita

[(Source Theme) **Organization format of Sakala Rigved Samhita**]

XIII

Features of organization of 64 chapters of Rigved Samhita

[(Source Theme) **64 sub sub cubes of 8 sub cubes of cube**]

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1. One may have a pause here and permit the transcending mind to continuously remain in prolonged sitting of deep trans and to glimpse the above features of artifices 8 and parallel to it the format and features of 8-space:
 - (i) Split of cube into 8 sub cubes and further split of 8 sub cube into 8 sub sub cubes that way sets the sequential process into making. These 64 cubes (sub sub cubes), with their coverage shall be of the order of whole range of 8 folds of Nature parallel to eight different roles of 8-space (content).
 - (ii) One way to chase this set up of 64 cubes (sub sub cubes), sequentially can be a step by step coverage parallel to cube by cube coverage of the whole range of 64 cubes, which at the first step as a cube shall be a set up of all the 31 components including 26 components of its geometric envelope.

However when the second cube would be taken up along with the first cube as a set up of a pair of cubes as a synthesized set up, it would amount to that one of the surface plates (along with four of its corner points and four of its boundary lines) would get super imposed upon one of the surface of the first cube and thereby the contribution by the second cube would be of $(31-9) = 22$ components and with the total set up of pair of cubes, as such would be of $31 + 22 = 53$ components and this artifice value is of format and features of digit 3 (at unit place) of value parallel to 3-space in the role of dimension of 5-space / artifice 5, which has the placement at the next place value for the artifice value 53

(iii) And like that sequentially the whole range of the set up of a cube as synthesis of 64 cubes (sub sub cubes) shall be bringing us face to face with the components of the synthesized set ups at each synthesis step.

(iv) The following table will help us have comprehensive view about it:

C1	Col 1 Corner points
C2	Col 2 Edges
C3	Col 3 Surface plates
C4	Col 4 Volume
C5	Col 5 Dimension
C6	Col 6 Origin
C7	Col 7 Total
C8	Col 8 Grand Total

Sr	C1	C2	C3	C4	C5	C6	C7	C8
1	8	12	6	1	3	1	31	31
2	4	8	5	1	3	1	22	53
3	4	8	5	1	3	1	22	75
4	4	8	5	1	3	1	22	97
5	4	8	5	1	3	1	22	22
6	2	5	4	1	3	1	16	38
7	2	5	4	1	3	1	16	54
8	2	5	4	1	3	1	16	70
9	4	8	5	1	3	1	22	22
10	2	5	4	1	3	1	16	38
11	2	5	4	1	3	1	16	54
12	2	5	4	1	3	1	16	70
13	4	8	5	1	3	1	22	22
14	2	5	4	1	3	1	16	38
15	2	5	4	1	3	1	16	54
16	2	5	4	1	3	1	16	70
17	4	8	5	1	3	1	22	22
18	2	5	4	1	3	1	16	38
19	2	5	4	1	3	1	16	54

20	2	5	4	1	3	1	16	70
21	2	5	4	1	3	1	16	16
22	1	3	3	1	3	1	12	28
23	1	3	3	1	3	1	12	40
24	1	3	3	1	3	1	12	52
25	2	5	4	1	3	1	16	16
26	1	3	3	1	3	1	12	28
27	1	3	3	1	3	1	12	40
28	1	3	3	1	3	1	12	52
29	2	5	4	1	3	1	16	16
30	1	3	3	1	3	1	12	28
31	1	3	3	1	3	1	12	40
32	1	3	3	1	3	1	12	52
33	4	8	5	1	3	1	22	22
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35	2	5	4	1	3	1	16	54
36	2	5	4	1	3	1	16	70
37	2	5	4	1	3	1	16	16
38	1	3	3	1	3	1	12	28
39	1	3	3	1	3	1	12	40
40	1	3	3	1	3	1	12	52
41	2	5	4	1	3	1	16	16
42	1	3	3	1	3	1	12	28
43	1	3	3	1	3	1	12	40
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47	1	3	3	1	3	1	12	40
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49	4	8	5	1	3	1	22	22
50	2	5	4	1	3	1	16	38
51	2	5	4	1	3	1	16	54
52	2	5	4	1	3	1	16	70
53	2	5	4	1	3	1	16	16
54	1	3	3	1	3	1	12	28
55	1	3	3	1	3	1	12	40
56	1	3	3	1	3	1	12	52
57	2	5	4	1	3	1	16	16
58	1	3	3	1	3	1	12	28
59	1	3	3	1	3	1	12	40
60	1	3	3	1	3	1	12	52
61	2	5	4	1	3	1	16	16
62	1	3	3	1	3	1	12	28

63	1	3	3	1	3	1	12	40
64	1	3	3	1	3	1	12	52

- (v) The synthesis value 985 of $8 \times 8 = 64$ cube (sub sub cubes) together with spaces 1 to 15/ 7 geometries range shall be structuring artifice value $1000 = 10 \times 10 \times 10$, a set of 1000 creative structural components of creation boundary of transcendental (5-space) domain
- (vi) One shall sit comfortably and permit the transcending mind to revisit the set up of solid dimensional transcendental (5-space) super imposed with solid dimensional order and glimpse the working format of eight fold Nature.
- (vii) One may have a pause here and take note that the NVF (Two) = NVF (Star) = 58 = NVF (Half cube)
- (viii) Vedic systems avail eight fold natures format and features as values of Rigved Samhita organization as scriptures of 64 chapters

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31-12-2014Dr. S. K. Kapoor, *(Ved Ratan)*

VMS & T Project
School Text Books
(Class IX, X, XI & XII)

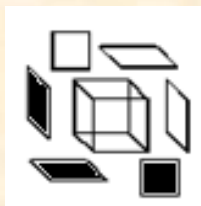
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VMS & T Text Book Class IX
(3-space)

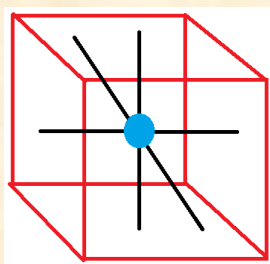
Lesson - 08

Zero signature geometry format as the starting point for Ganita Sutras format

1. Seven geometries range and parallel seven signatures range (-3, -2, -1, 0, 1, 2, 3) has zero signature geometry at its middle placement\
2. This middle placement geometry and parallel to it middle placement version of cube with three surface plates intact (and three absent plates) is to provide us starting point.



3. This placement with origin of three dimensional frame super imposed upon the center of the cube shall be formatting the three dimensional frame for its split into a pair of three dimensional frames of half dimensions.
4. Such formatting would be there because of the origin of the three dimensional frame being of a spatial order (2-space in the role of dimension) of 4-space at origin of three dimensional frame.



5. Here it would be relevant to note that $4 = 2 + 2 = 2 \times 2 = (-2) \times (-2)$
6. These feature are parallel to super imposition of addition and multiplication.
7. Further it also would be parallel to super imposition of negative and positive orientations.
8. With split of three dimensional frame into a pair of three dimensional frames because of release of 4-space as the origin, the super imposition feature as well would get lifted upon the set up.
9. With it, three dimensions as well would get released for their sequential organization as first dimension, the pair of dimensions and all the three

- dimensions as values 1, 2, 3 as per the working rule '1', one more than before '1 +1' and a step in continuity as $\{(1+1) + 1\}$.
10. One may have a pause here and take note that that as the pair of three dimensional frames (half dimensions) are of opposite orientations, as such, towards second three dimensional frames of half dimensions, there would be values triple (-1, -2, -3)
 11. The emerging 7 steps long values range (-3, -2, -1, 0, 1, 2, 3) would be available along both axes of the spatial order (2-space as dimension)
 12. The above organization shall be leading to coverage range of $7 + 7 = 14$ steps, which would be parallel to 14 steps organization of Ganita Sutras 1 to 14
 13. The release of spatial order 4-space at the origin and the super imposition features $4 = 2 + 2 = 2 \times 2$, shall be coming into play of their distinct roles with the release of transcendental (5-space) origin of creator's space (4-space)
 14. With it the Ganita Sutras range 1 to 16 would be complete.
 15. Further simultaneously, the Ganita Sutras range along with Ganita Upsutras as well would be completed with Ganita Uputras 1 to 13 having their placements in the sequential gaps of Ganita Sutras 1 to 14.
 16. The complete range is of $16 + 13 = 29$ steps, which is parallel to 29 archiks of Samved, 29 Sutras shalokas of chapter 5 of Shrimad Bhagwad Geeta and 29 shalokas (and Ardh Shalokas) of chapter 13 of Shrimad Durga Saptasati
 17. One may have a pause here and take note that the split of three dimensional frame into a pair of three dimensional frames of half dimensions amounts to a release of spatial order 4-space at origin of three dimensional frame
 18. It would further be relevant to note that the spatial order of 4-space splits creative (4-space domain) into a pair of domains, being designated as a pair of hemispheres
 19. It still further be recapitulated that the split of creative 4-space domain into a pair of hemispheres amounts to release of solid dimensional order transcendental (5-space) domain
 20. This release of solid order transcendental (5-space) domain within creator's space (4-space) amounts to transcendence from the spatial order itself
 21. It is this release of solid order from spatial order amounts to a reach within the space outside universe of creative dimensional order
 22. This sequential release of 4, 5 and 6 space at the origin of three dimensional frame / origin of 3-space deserve to be chased to have full comprehension of the pure and applied values of the organization format of Ganita Sutras being chased with zero signature geometries of 3, 4, 5 and 6 spaces respectively as the starting points.
 23. Starting with zero signature geometry at 3-space, there would be chase of linear order format for the organization of Ganita Sutras. It in a way would be parallel to the working rule of Ganita Sutra 1.
 24. The starting with zero signature geometry of 4-space would be chased of Ganita Sutras in terms of spatial order parallel to the working rule of Ganita Sutra 2.
 25. The starting with zero signature geometry of 5-space would be chased of Ganita Sutras in terms of solid order parallel to the working rule of Ganita Sutra 3.

26. And the starting with zero signature geometry of 6-space would be chased of Ganita Sutras in terms of hyper solid order parallel to the working rule of Ganita Sutra 4.
27. Transcendental (5-space) order approach would be the conclusive reach for the organization format of Ganita Sutras for their values and virtues.

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31-12-2014

Dr. S. K. Kapoor, *(Ved Ratan)*

News, Views and Information

A Word to Teachers

Rakesh Bhatia, Organizer

Many Institutions have started the teaching of Vedic Mathematics effectively. I think you will believe also with its striking methods of Vedic Mathematics Sutra. It is the only source to revolutionize and change the methods of teaching Mathematics. This is good chance to “be the Change yourself of teaching Mathematics”

We must join hands to hands spreading Vedic Mathematics by teaching the Vedic mathematics in our Institution with great zeal and enthusiasm to learn Vedic Mathematics. The Vedic Mathematics is effective, dynamic awe-inspiring with numerous examples and mental exercises, documentary films and computer presentations. The concept and confidence of the Mathematics make stronger day by day. The academic attitude of the learners brings happiness in the heart of the learners. They love to learn more and more because they think that Vedic Mathematics is very interesting and amusing.

What scholars of Mathematics realize about the importance of Vedic Mathematics.

Dr. Narinder Puri of IIT Roorke comments on Vedic Mathematics

- 1) Mathematics derived from Vedas provides one line, mental and superfast methods along with quick cross checking systems.
- 2) Vedic Mathematics converts the tedious subject into playful and blissful
- 3) where which students learn with smiles.
- 4) Vedic Mathematics offers a new and different approach to the study of mathematics based on pattern recognition. It allows for constant expression of a student’s creativity, and is found to be easier to learn.
- 5) In this system, for any problem, there is always one general technique applicable to all cases.
- 6) Vedic Mathematics with its special features has the inbuilt potential to solve the abstract problem of Mathematics.

A.P. Nicholas (1984) puts the Vedic Mathematics system as ‘one of the most delightful chapters of the 20th century mathematical century’.

Prof. R.C. Gupta(1994) says ‘the system has great educational value because the sutras contain techniques for performing some elementary mathematical operations in simple ways’.

J.T.Glover (London) says that the experience of teaching Vedic Mathematics has shown that high degree of mathematical ability can be obtained from an early stage.

Dr.Michael Weinless, Chairman of the Department of Mathematics at M.I.U, Iowa says ‘Vedic Mathematics is easy to learn, faster to use and less prone to error than conventional methods. Furthermore, Vedic Mathematics not only enables to solve specific mathematical problems, it also develops the creativity, logical thinking and intuition.’

From the above observations we conclude that we should enter Vedic Mathematics as given by Sri Bharati Krishana Tirthji (1884-1960), Sankaracharya of Goverdan Math, Puri. One can realize the importance and applicability of the different Sutras after entering into the methods and procedures of Vedic Mathematics.