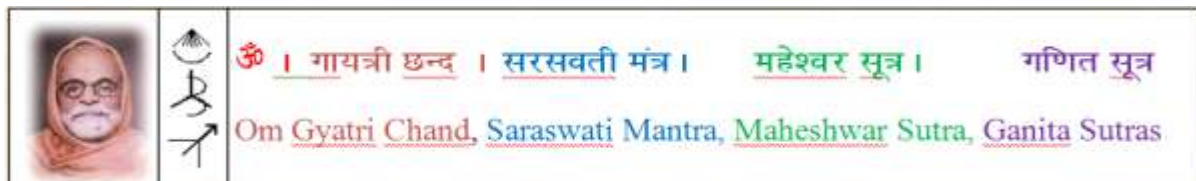


Sri – Om

VEDIC MATHEMATICS AWARENESS YEAR

Awareness evaluation quarter (1-7-15 to 30-9-15)

Organizers: Dr. S. K. Kapoor, Sh. Rakesh Bhatia, Sh. Bhim Sein Khanna, Sh. Deepak Girdhar
E-newspaper issue no 252 dated July 18, 2015 / Awareness quarter issue no 18
For previous issues and further more information visit at www.vedicganita.org



AIM

Formation of

VEDIC MATHEMATICS SCIENCE AND TECHNOLOGY UNIVERSITY

*Think Meditate Transcend, Glimpse and Imbibe Format Features Order
Values and Virtues of Vedic sounds formulations along Sunlight Carriers*

Vedic Mathematics and VMS & T Discipline

1. Why Vedic Mathematics And Vms & T Discipline

2

Negative dimensional orders chase

1. One of the glaring features of Vedic Mathematics and VMS & T Discipline is there chase of 'negative dimensional orders'.
2. We are well acquainted with artifices pair (1, -1).
3. Parallel to it is dimensional spaces pair (1-space, -1-space).
4. The inter relationship coordination of (1-space) and (-1) space is of the format of 1-space as domain fold and (-1) space as dimension fold.
5. Hyper cube 1 / interval brings to focus the pair of orientations parallel to artifices pair (1, -1).
6. One may have a pause here and take note that this feature of values pair (1, -1) parallel to the orientations which further is parallel to the format of 1-space and (-1) space, as such leads to the coordination of (+1) space playing the role of positive dimensional order (positive linear order) of 3-Space while (-1) space plays the role of negative linear order / negative dimensional order for 1-space.

7. One may further have a pause here and take note that hyper cube 1 set up, as such, simultaneously provides for positive linear order set up while 1-space is in the role of dimension of 3-Space and also as a format for negative linear dimensional order for 1-Space in the role of domain fold.
8. Parallel to a pair of orientations set up of an interval, there is the set up of surfaces of a pair of faces within 3-space.
9. A step ahead there is a set up of three dimensional frame which permits split into a pair of three dimensional frames of half dimensions of opposite orientations, a step further ahead, artifices 2 is of unique features as under:
 $2 + 2 = 2 \times 2 = (-2) \times (-2)$ and $2^4 = 4^2$
10. Here It would be relevant to note that artifice 2 is parallel to the set up of a spatial order (2-space in the role of dimension of 4-space).
11. A step ahead, the split of three dimensional frame into a pair of three dimensional frames of half dimensions of opposite orientations, in the role of solid dimensional orders with the dimensional synthesis rule $(3, 3) = 5$, as such shall be bringing us face to face with the split of a sphere format as of a pair of hemispheres (northern hemisphere and southern hemisphere)
12. One may have a pause here and take note that hyper cube 5 is of a solid dimensional order and as such because of the above features of split of sphere into a pair of hemispheres, the organization format for hyper cube 5 would be acquiring distinguishing feature for its set ups because of northern hemisphere format and southern hemisphere format.
13. One may further have a pause here and take note that artifice 6 accepts following features (i) $6 = 3 + 3$ (ii) $6 = 2 + 2 + 2$ (iii) $6 = 1 + 2 + 3$ (iv) $6 = 1 \times 2 \times 3$ (v) $6 = 2 \times 3$ (vi) $6 = (-2) \times (-3)$.
14. One may further have a pause here and take note that the $6 \times 6 = 36$ and this organization along the format of the organization of three dimensional frame as a set up of a pair of three dimensional frames of dimensions with opposite orientations will help us comprehend and appreciate the Devnagri script for artifice 36 (३६) with numerals 3 and 6 being of script forms of opposite orientations parallel to reflection pairs of forms of object and image through mirror.
15. One may further have a pause here and take note that the coordination of eight corner points of the cube through sequential progression along edges will lead to complete coverage in terms of only 7 edges.
16. Further, it would also bring to focus as to how the coordination of first three edges and last three edges of above set up of seven edges lead to opposite orientation set ups.
17. Still further the re-organization of artifices pair (8, 9) as $(2^3, 3^2)$ will bring us face to face with format and features of vertical reflection pairing for the index and base values digits swapping their places.
18. A step ahead, artifices pair (01, 10) brings us face to face to face with horizontal reflection pairing.
19. A step ahead artifice 11 is of the format of a self reflecting artifice as much as that the mirror and the center of artifice 11 is retaining same format and features for the object and image as of value '1'.
20. Here it also would be relevant to note that $11 = 01 + 10 = 10 + 01$ bring to focus the internal features of self reflecting artifice '11'
21. One may have a pause here and have a fresh look at artifices pair (10, 01).

22. One may have a pause here and take note that in above set up of artifices pair (10, 01) the digit 0 with its placement in above setting, brings to focus the features of self reflecting mirror and of the features of artifice 0 which come to be as under
- (i) $0 + 0 = 0$
 - (ii) $0 \times 0 = 0$
 - (iii) $(-0) \times (-0) = 0$
23. One may have a pause here and take note that the 2-space as dimension of 4-Space and 0-space as dimension of 2-Space are having following parallel features of super imposition of addition and multiplication operation as well as of pair of orientations.
24. For pointed focus the above features are being tabulated here below again in comparative setting as under :
- i. $2 + 2 = 2 \times 2 = (-2) \times (-2)$
 - ii. $0 + 0 = 0 \times 0 = (-0) \times (-0)$
25. One may further have a pause here and take note that despite above, common formats, in both cases, glaring difference is that :
- i. $4 = 2 + 2 = 2 \times 2 = (-2) \times (-2)$
 - ii. $0 = 0 + 0 = 0 \times 0 = (-0) \times (-0)$
26. One shall have a pause here and have a fresh look at the pair of artifices values (4, 0).
27. One may have a pause here and take note that the quadruple artifices (6, 4, 2, 0) and (5, 3, 1, -1) as extensions of pair of triple artifices (6, 4, 2) and (5, 3, 1) parallel to transcendence format (domain, dimension, dimension of dimension) brings to focus as to how at the fourth step the values difference plays their role as (0, 1).
28. It is this feature, which deserve to be comprehended well and to be thoroughly appreciated while imbibing the values of the features of 2-Space in the role of dimension of 4-Space and 0-Space in the role of dimension of dimension of 4-space but otherwise artifices 2 and 0 being of the features range:
- i. $4 = 2 + 2 = 2 \times 2 = (-2) \times (-2)$
 - ii. $0 = 0 + 0 = 0 \times 0 = (-0) \times (-0)$
29. Here in the context It also would be relevant to have a fresh visit to the features of artifice 6, particularly :
- (i) $6 = 2 \times 3 = (-2) \times (-3)$
 - (ii) $6 = 1 + 2 + 3 = 1 \times 2 \times 3$
30. The inter-relationship of artifices pair (4, 6) is of the format of 4-Space as dimension and 6-Space as domain.
31. The inter-relationship of artifices pair (5, 6) is of the format of 5-Space as boundary and 6-Space as domain
32. The artifices triple (4, 5, 6) with middle place value 5 being a prime makes a unique organization as (2 x 2, 2 + 3, 2 x 3).
33. Further $4 = 2 + 2 = (2 \times 2)$ while $6 = 1 + 2 + 3 = 1 \times 2 \times 3$.
34. All these features together with $6 \times 6 = 36$ (३६) as of parallel format of split of three dimensional frame as a pair of three dimensional frames of half dimension of opposite orientations and release of creative origin (4-Space as origin).
35. A step ahead, released creative (4-space) as creative dimensional order shall be creating self referral (6-space) domain enveloped within transcendental (5-space) boundary of solid dimensional order (3-Space in the role of dimension)
36. One may have a pause here and take note that the $6 \times 6 \times 6 = 216$ which permits re-organization as $216 = 107 + 109$.
37. One may have a pause here and take note that artifices pair (107, 109) is of the format and features parallel to (dimension fold, domain fold)

- 38. One may further have a pause here and take note that NVF (reflection) = 107 and NVF (Refraction) = 109
- 39. One may further have a pause here and take note that the above features bring to focus, 'reflection operation' as a 'geometric operation' of Mathematical (even arithmetical) basis, and this operation has its definite role to play in the organization of geometric formats of dimensional frames,
- 40. The dimensional synthesis Mathematics, as well as the dimensional split spectrum Phenomenon avail this (reflection operation) to great an extent.
- 41. One may further have a pause here and take note that the organization of double digit numbers of different place value system, particularly of ten place value system, along $(n - 1) \times (n + 1)$ grid / matrix format bring to focus reflection pairing of double digit numbers.
- 42. One may have a pause here and have a fresh look at the following organization of double digit number of ten place value system along 9 x 11 grid / matrix format

01	02	03	04	05	06	07	08	09
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63
64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99

- 43. The split of 01 to 99 range of double digit numbers in upper part and lower part along the artifices mirror line (01 / 10, 20, 30, 40, 50, 60, 70, 80, 90, 100) and further the organization of upper part in terms of artifices mirror line of self referral (6-space) reflecting numbers (11, 22, 33, 44) and of lower part in terms of

- self reflecting artifices mirror line (55, 66, 77, 88, 99) will help us comprehend and appreciate the way reflection operation operates and organizes artifices of numbers.
- 44. One may further have a pause here and take note that the upper part of above organization is a set up of 29 reflection pairs of numbers (including four self reflecting artifices (11, 22, 33, 44)
- 45. One may have a pause here and take note that the values array of four phases and stages of split spectrum for any dimensional order comes to be (1, 2, 5, 12, 29)
- 46. Still further it also would be relevant to note that the four fold manifestation layer of hyper cube 5 (3, 4, 5, 6) is of total summation value $3 + 4 + 5 + 6 = 18$ and domain fold value is '5' while the summation value of remaining three folds comes to be $3 + 4 + 6 = 13$
- 47. One may further have a pause here and take note that 5th chapter of Srimad Bhagwad Geeta is a text of 29 shalokas range while the text of 13th chapter of Srimad Durga Saptasati as well is of 29 sholokas and ardh shaloka uvacha as well.
- 48. One may further have a pause here and take note that the split spectrum range starting with dimensional value '13' shall be taking us to spectrum range (13, 11, 9, 7, 5) of values range (1, 2, 5, 12, 29)
- 49. 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 above format and features in the context of 'reflection operation'.

18-07-2015

Dr. Sant Kumar Kapoor
(Ved Ratan)