

Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

E-Newsletter Issue no 16 dated 24-10-2014

'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
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- Organizers

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**Intelligence Growth
Third phase
Part as a whole**

Fractions of unit and numerals of place value system

1. Young minds shall be very gently exposed to fractions of a unit.
2. Unit shall be accepting double format.
3. As in case of a line, first format would be of length and second format would be of points.
4. To approach fraction of a unit, as such accordingly would be to avail a pair of formats.
5. Taking '10' as a unit and 1 to 9 as numerals of ten place value system, the concept of both of the formats standing satisfied in respect of it, is a very delicate aspect and concept.
6. Heavy responsibility lies upon the parents and teachers to expose young minds to the above aspects of above concept with very gentle steps.
7. One way would be to approach parts of the units as fractions.
8. In the context the second format of the unit in terms of constituent of the unit would takes us parallel to numerals of place value system.
9. Here would follow the concept of expression for the fractions in the

format of equivalent decimal expressions.

10. Further, parallel to ten place value system, there would be number of situations of other place value system as well.
11. No doubt, it would be a very delicate approach require to work with all types of place value systems.
12. However once one comprehends well working with ten place value system, transition may be had for other place value system as well.
13. But this should be attempted one by one, say first of all one may shift from ten place value system to nine place value system then to eight place value system and so on.
14. Ganita Sutra 12 may help perfect the intelligence at this phase and stage of growth of intelligence.

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Ganita Sutra 12

शेषाप्यङ्केन चरमेण ।

The Remainder by the last digit

- i. Read the text of the Sutra.
- ii. Pronounce the text Loudly.
- iii. Sequentially tabulate the letters of the text.

1	2	3	4	5	6	7	8	9	10
श्	ए	ष्	आ	ण्	ए	अ	ङ्	क्	ए
11	12	13	14	15	16	17	18	19	20
न्	अ	च्	अ	र्	अ	म्	ए	ण्	अ

- iv. Chase the different words formed by sequential combinations of letters, as,

Letters		
1	2	3
श्	ए	ष्
Word शेष (remainder)		

Letters									
4	5	6	7	8	9	10	11	12	
आ	ण्	ए	अ	ङ्	क्	ए	न्	अ	
Word अप्यङ्केन् (numerals)									

Letters							
13	14	15	16	17	18	19	20
च्	अ	र्	अ	म्	ए	ण्	अ
Word चरमेण (last)							

- v. Reach at the working rule of Sutra.
'remainder by the last numeral (s)'

Vi. REVERSAL OF ORIENTATION AS A FORMAT

PEAK POINT AS INDEX OF REMAINDER

<p>NVF CIRCUMFERENCE) =123 DIA METER -- CIRCUMFERENCE RATIO D:πD</p>		<p>As circumference generic NVF is in decreasing sequence for digits starting with unit place onwards, the value of π in decimal digits can be chased digit by digit by increasing value of d in ten place values format</p>
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1. $11 = 10 + 1$; $11 + 10 = 1 + 1/10$, gives a focus upon '1'.
2. $111 = 100 + 10 + 1$, $111/10 = 100/10 + 10 + 10 + 1/10$, again gives a focus upon 1.
3. Like that $12 = 10 + 2$ and $12/10 = 10 + 10 + 2/10$ gives a focus upon '2'
4. $112 = 100 + 10 + 2$ and $112/10 = 100/10 + 10/10 + 2/10$ again gives a focus upon 2.
5. Like that the focus remains upon the last (ultimate) digit as numeral.

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24-10-2014

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

Vedic Mathematics Awareness

New initiative

1. It is planned by Dr. S. K. Kapoor that five lectures series, in the following outline to be undertaken to 'satisfy the urge to reach at Vedic Systems'.

TO SATISFY THE URGE TO REACH AT VEDIC SYSTEMS

Inner evidence of the Vedic knowledge reaching us in Sanskrit language of Devnagri alphabet brings us face to face with following features which may help satisfy the urge to reach at the Vedic Systems in the domain of Vedic mathematics, Science & Technology:

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- i. Originally there was single Ved.
- ii. Brahm Rishi Ved Vyas re-organized as single ved as four Vedas Rik, Yaju, Sam and Atharv veda.
- iii. Each Ved has distinct Samita Brahmana, Arnik and Upnishad.
- iv. Rikved has 21 branches, Yajurved has 101 branches, Samved as 100 branches and Ahtarvved has 9 branches
- v. This organization leads to 1131 Samhitas, 1131 Brahmana, 11 Arniks and 1131 Upnishads.
- vi. As such to satisfy the urge to reach, there would be a need to be through this range of 4524 Scriptures.

I

All the above 4524 scriptures have not reached us. However the inner evidence of available Vedic literature brings to focus following features:

- i. There are four upvedas namely Ayur upved, Dhanur upved, Ghandarav upved and Sathapathya upved.
- ii. There are six Upangas namely Shiksha, Vyakaan, Nirukat (Nighantu, Chnadas, Jyotish and Kalap).

- iii. There are 6 Darhshan: Sankhiya, Yoga, Vaishashik, Nyaye, Mimansa and Braham Sutra.
- iv. There is Vedantrai: Upnishads, Braham Sutra, Shrimad Bhagwad Geeta.

II

The resultant pure and applied values mark their presence in following forms.

- i. Purans, Smirties and Epic
- ii. Yantras, Tantras, Mantras and Jantries
- iii. Sanskaras, Paravas, traditions and Gharanas

III

The coverage range of the Existence Phenomenon is of Earth to Sun range with pole star as the origin of the solar universe. This coverage range brings us face to face with following features:

- i. Existence values are of the features: 'as in body so in universe' and 'as in universe so in body'
- ii. Earth to Sun range accepts coverage in terms of 26 meters of 4 quarters each.
- iii. This earth to Sun Coverage range is of the format of '3-space, 4-space, 5-space, 6-space set up'.
- iv. Sathapathya measuring rod for coverage of this range is presided by Lord Vishnu while measure of this measuring rod is presided by Lord Brahma.
- v. The coverage in terms of Sathapathya measuring rod is of the format of Timeline of transcendental (5-space) carriers of Sunlight.
- vi. The geometric format of this measuring rod is of the features of the synthetic set up of hyper cubes 1 to 6.

IV

The sustenance of Existence Phenomenon as Triloki by Trimurti brings us face to face with following features.

- i. Along the black matter fountained by Pole star in solar universe, light fountained by Sun stand superimposed and as a result thereof there is manifestation of 'Triloki (as integrated format of 1, 2 and 3 space set up) and this manifestation is sustained by Trimurti (integrated set up 4, 5 and 6 spaces) by sustaining timeline parallel to the transcendental (5-space) carriers path of Sunlight as transcendental (5-space) carriers being of the format and features of transcendental (5-space) dimensional order of pole star (7-space unit format).

V

The ultimate sustenance of existence is as of Brahman state (9-space as ultimate source reservoir origin) of self referral (6-space) order as dimension fold. This, as such is of the following features.

- I. The ultimate state is of the format of the manifestation layer (6-space as dimension fold, 7-space as boundary fold, 8-space as domain fold and 9-space as origin fold). This is Brahman State.
- II. Brahman state sustains (3-space as dimension fold, 4-space as boundary fold, 5-space as domain fold, 6-space as origin fold). This is solar universe state.
- III. The Existence being sustain is of the format (0-space as dimension fold, 1-space as boundary, 2-space as domain fold and 3-space as origin fold).
- IV. This existence sustenance goes three fold transcendental (5-space) states as:
 - a. (0 space, 1 space, 2 space, 3 space 4 space), = transcendental state of 0 order
 - b. (1 space, 2 space, 3 space 4 space, 5-space), = transcendental state of linear order
 - c. (2 space, 3 space 4 space, 5-space, 6-space), = transcendental state of spatial order

Theme Statement

- i. In the light of the above a theme statement comes to be: as that Vedic Mathematics

“Sanskrit Mathematics is of real 4, 5 and 6 spaces format. It covers the Existence

Phenomenon on Earth in its entirety. Its self referral features manifest 'as in body, so in universe' and 'as in universe, so in body'. Organization format of Sakala Rigved Samhita is parallel to organization format of solar universe. Transcendental (5-space) carriers of Sunlight transcend through six steps long Earth to Sun range and carry to pole star as origin of solar universe, parallel to Vedic time line of one complete Kalap duration. This time line unifies solar universe Existence Phenomenon along solid order transcendental (5-space) format of idol of transcendental (5-space) lord, lord Shiv and same accepts Sathapathya measuring rod with Lord Vishnu as its presiding deity and Lord Brahma being the presiding deity of measure of this measuring rod. The axioms and postulates of modern mathematics which are struggling to come out of linear order, deserve to be changed to make modern processing systems to be parallel to the Ancient Wisdom of higher dimensional formats being preserved and reaching us as Sanskrit language.”

24-10-2014

Dr. S. K. Kapoor
(Ved Ratan)

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