

Sri – Om  
**VEDIC MATHEMATICS AWARENESS YEAR**

E-Newsletter Issue no 9 dated 14-10-2014

*'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  
Sh. Rakesh Bhatia  
Sh. Bhim Sein Khanna  
Sh. Deepak Girdhar  
- Organizers

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For previous issues and further more information visit at

[www.vedicganita.org](http://www.vedicganita.org)

**Intelligence Growth  
Second phase**

**Recapitulation**

1. First phase of intelligence growth had the format of Ganita Sutras 1 to 4.
2. This had the features of basic arithmetic operations including reflection operation.
3. The values of these features had been of virtues of counting (direct and reverse), as well as of jumps and without jumps.
4. Here it also would be relevant to note that the above operations, initially are of the format of single direction.
5. However these operations are to be chased along all the ten directions, individually, as well as in reference to pairs of directions.

**Second phase**

6. In continuity of the first phase of the intelligence growth, their begins second phase of intelligence growth, which in a way may be taken as transition and shift from arithmetic operations formats of algebraic operations.
7. This transition is inherent in the format of Ganita Sutra-5.

8. To begin with, the feature of this transition may be focused in terms of the concepts of 'एक' / one as the start with formulation of Ganita Sutra-1 and with 'शून्यम्' / zero, the formulation with which the text of Ganita Sutra – 5 starts unfolding.
9. This way parents and teachers shall very gently expose the young minds to the concepts of '1 and 0'.
10. At the cost of repetition, it is focused as that the young minds are first of all to be exposed to the concept of 'one'.
11. It is only thereafter that young minds are to be exposed to the concept of 'zero'.
12. The concept of 'one' may be introduced with the help of one thing may be physical.
13. In the context and in comparative reference to the above format of concept of one as one thing (physical), the young mind may be very gently exposed to the concept of 'zero' as 'no' thing (nothing), not physical / vanishing / void.
14. The reach of this transition shall be approached as gently as possibly can be taking into special caution care of the delicate state of innocent young mind being helped in this direction.

### Ganita Sutra-5

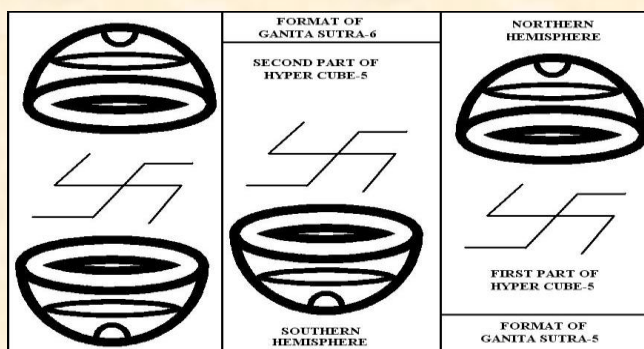
शून्यं साम्यसमुच्चये ।

*Sunyam Samyasamuccaye*

- 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	ऊ	न्	य्	अ		स्	आ	म्	य्
11	12	13	14	15	16	17	18	19	20
अ	स्	अ	म्	उ	च्	च्	अ	य्	ए

### Format outline of working rule



The keywords of the text are (i) शून्यं and (ii) साम्यसमुच्चये.

The above second keyword (formulation) avails sub formulations (a) साम्य (b) समुच्चये.

The sub formulation 'साम्यसमुच्चये' further avails a pair of sub sub formulations namely (i) सम and (ii) मुच्चये.

The sub sub formulation 'मुच्चये' further avails pair of basic formulation (x) म् and (y) उच्चये.

As Parthmavirti / first unfolding the above formulations and sub formulations / sub sub formulations / basic formulations are of values format.

- (i) Zero
- (ii) Equal
- (iii) Upward equal values attainments.

Each of these formulation and sub formulation deserve to be chased in terms of values and formats of individual letters being availed by these formulations and sub formulations.

This chase will lead to a very big range of mathematical value and same deserve to be visited sequentially.

\*

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

**LET US POOL IN OUR  
EXPERIENCE AND KNOWLEDGE**

We are at the thresh hold of entering new Vedic enlightenment age and are hopeful of enlightenment for all with revival of the Vedic Institution and disciplines of yoga and Vedic Mathematics in particular. I, with all humbleness, in the background of my experience as a mathematics teacher and yoga instructor can say that 'Yoga Sutras' and Ganita Sutras' constitute a very powerful system for perfection of intelligence for young minds. I have acquired a conviction by going through the Vedic Mathematics books of Swami Bharti Krishana Tirthji Ji Maharaj and applied values of Ganita Sutras demonstrated in the books of Mr. K. R. Williams and from the research results of Dr. S. K. Kapoor that Vedic Mathematics is the basic Discipline of knowledge.

When I joined the career of teaching, I found the opportunity to learn Vedic Mathematics through the seminar organized by Vidya Bharti Akhil Bhartiya Sansthan in December 1995. I was tremendously overwhelmed with the valuable knowledge of Vedic Mathematics and same had given me a lot of happiness and emergence of self-fulfillment for me.

After some time, I was selected as a trainer for teachers and students by Hindu Shiksha Samiti, Haryana. Then I was invited by many schools to train the teachers and students in different schools. Many teachers and students were introduced and exposed to values of the Ganita Sutra during these training seminars by me. By that time there was no practice material with me. There was a natural demand of a text book which shall become a source of Vedic Mathematics practice material. Thus, I felt the need for a text book of Vedic Mathematics for the beginners. To meet this demand I am attempting one such book for middle classes level Vedic Mathematics which would be soon available for reference reading.

I hope the initial difficulty of learning mathematics skills will be met by the students when they will approach mathematical problems for their solutions on first principles of Ganita Sutras.

I request everybody that they shall pool in their experience and knowledge and join us in our Vedic Mathematics Text Book projects.

I with my humble experience of teaching impress upon the authors of Vedic Mathematics text books that they shall focus upon first principles. Suitable illustrative problems may be taken up for their solutions on the first principles having been worked in sequential steps.

Ganita Sutras are composed parallel to the natural intelligence growth of human mind. And as such young minds shall be exposed very gently to these principles and their values.

**Rakesh Bhatia**  
**Organizer**  
**14-10-2014**

*Today I shall be attending Vedic Mathematics Quiz meet at Jind Haryana). I shall be soon sharing values of this quiz meet with everybody.*

**Rakesh Bhatia**

## **STEPS TOWARDS Vedic Mathematics Awareness**

1. As a step towards Vedic Mathematics awareness, it is suggested that one shall go to google search engine and other search engine, visit the Vedic Mathematics centered activities going on in the world these days.
2. One shall continuously refresh one's memory about the new Vedic Mathematics institutions coming into existence and the types of courses being offered at different levels.
3. One shall also up to date one's information about the Vedic Mathematics text books and literature being created day after day.
4. One shall also make one self knowledgeable about different individuals dedicating themselves for the cause of Vedic Mathematics and the individual contribution which deserve to be appreciated.
5. One may form a small group of likeminded persons and this information shall be shared amongst the fellow group members to imbibe well the values and virtues of Vedic Mathematics
6. The potentialities of Vedic Mathematics are vast. Need only is to utilize the same.
7. We see these Vedic Mathematics potentialities to provide us a million of jobs and parallel volumes of knowledge and intelligence growth needed for the welfare of humanity in general and our children in particular.
8. Let everybody be intelligent.

Bhim Sein Khanna  
Deepak Girdhar  
Organizers  
14-10-2014

*We had the pleasure to add the following respected individuals in the list of our e-newsletter mail.*

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