

Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

E-Newsletter Issue no 26 dated 5-11-2014

'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

ISSUE NO 26

Page	
1-2	1. Learning with self learning Chapter from Book 'Vedic Mathematics (organization format of Ganita Sutras) of Dr. S. K. Kapoor
3-4	2. News and Views Invitation for participation in Vedic Mathematics textbooks project

For previous issues and further more information visit at
www.vedicganita.org

LEARNING WITH SELF LEARNING
(Chapter from Book 'Vedic Mathematics (organization format of Ganita Sutras) of Dr. S. K. Kapoor)

Lesson-4
NEGATIVE NUMERALS

Numerals	1	2	3	4	5	6	7	8	9	0
Ekadhikena Numerals	. 1	. 2	. 3	. 4	. 5	. 6	. 7	. 8	. 9	. 0
Ekanunena Numerals	1 .	2 .	3 .	4 .	5 .	6 .	7 .	8 .	9 .	0 .
Negative Numerals	$\bar{1}$	$\bar{2}$	$\bar{3}$	$\bar{4}$	$\bar{5}$	$\bar{6}$	$\bar{7}$	$\bar{8}$	$\bar{9}$	$\bar{0}$

1. The Ganita Sutra-1 Ekadhika एकाधिकेन पूर्वेण Ekadhiken Purvena / One more than before adds one count value to the numerals 1, 2, 3, 4, 5, 6, 7, 8, 9 and 0 works out the corresponding ekadhika numerals as under:

Ekadhikena Numerals	. 1	. 2	. 3	. 4	. 5	. 6	. 7	. 8	. 9	. 0
----------------------------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

2. The Ganita Sutra-14 एकन्यूननेन पूर्वेण Ekanyunena Purvena/ 'One less than the before' diminishes the values by one unit for the numerals 1, 2, 3, 4, 5, 6, 7, 8, 9 and 0 and works out the corresponding ekanuena numerals as under:

Ekanunena Numerals	1 .	2 .	3 .	4 .	5 .	6 .	7 .	8 .	9 .	0 .
---------------------------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Definition

1. It be accepted as definition that negative numerals (for 1, 2, 3, 4, 5, 6, 7, 8, 9 and 0) are (-1), (-2), (-3), (-4), (-5), (-6), (-7), (-8), (-9) and (-0) with their special symbols are as above:

Negative Numerals	$\bar{1}$	$\bar{2}$	$\bar{3}$	$\bar{4}$	$\bar{5}$	$\bar{6}$	$\bar{7}$	$\bar{8}$	$\bar{9}$	$\bar{0}$
--------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

1. It be accepted as definitions as that negative numeral in respect of zero is of value zero itself, that is, $0 = -0$.
2. With zero as the fixed point, the positive and negative numerals can be fixed along a line at equal distance from the fixed zero point.
3. Numerals 1, 2, 3, 4, 5, 6, 7, 8, 9 be accepted as positive numerals.
4. The line along which the positive, zero and negative numerals are fixed may be taken as numbers line by definition.

*

5-11-2014Dr. S. K. Kapoor, *(Ved Ratan)*

News and Views

Invitation for participation in Vedic Mathematics textbooks project

INVITATION

1. We are undertaking the project of settling Vedic Mathematics text books for schools.
2. This project is for settlement of text books of Vedic Mathematics for classes eight to twelfth.
3. Text book for each class would be of three parts
Part – 1 'Vedic Mathematics for class VIII
(likewise for class 9, class 10, class 11 and class 12)
Part – 2 'Vedic Mathematics exercises for class VIII'
(likewise for class 9, class 10, class 11 and class 12)
Part – 3 'Teaching and evaluation manual of Vedic Mathematics for class VIII'
(likewise for class 9, class 10, class 11 and class 12)
4. Each sutra and Upsutra would be taken up in separate section exclusively devoted to particular Sutra / Upsutra.
5. This way in all, there would be 29 sections for coverage of all the sixteen Sutras and 13 Upsutras.
6. Participants may contribute for all the 29 sections but each Sutra and Upsutra shall be taken up as independent aspect of values of mathematics as every Sutra values are to be covered in distinct section.
7. The intellectual contribution of participants shall be duly recognized and same shall be properly respected.
8. In the light of this theme, we shall be making separate requests for each sutra and upsutra.

Request of participation about the values of Ganita Sutra 5

शून्यं साम्यसमुच्चये ।

Sunyam Samyasamuccaye

1. We feel privileged to request all to participate in our project of Vedic Mathematics text books for classes eight to twelfth.
2. We request you all to participate and contribute your intellectual inputs about the values of Ganita Sutra 5.

3. Also contribute about the values of Ganita Sutra 5 as being complemented and supplemented by the values of other Sutras and Upsutras.
4. We shall be highly thankful for this participation and contribution.
5. We shall be duly recognizing this participation and contribution of intellectual inputs about the values of Ganita Sutra 5.
6. We shall be highly being our respects and thanks in recognition of the intellectual inputs of participants.
7. It is a noble cause.
8. Please participate.

5-11-2014

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