

**Vedic Mathematics, Science & Technology
Teacher Course**

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BASIC AVAILABLE BY TEXT OF Ganita Sutras

This day the course focus is upon 'Basic available by text of Ganita Sutras'. It four folds aspects being taken up are as follows:

- 101. Opening words
- 102. Ganita Sutras and Ganita Upsutras
- 103. Basic number available by the text
- 104. Operational values

The values being covered are to be taught as lessons numbers 101 to 104 to the students of 4-space Vedic Mathematics, Science & Technology.

LESSON-101

OPENING WORDS

- 1. Arithmetic ultimately takes us to artifices of numbers.
- 2. Artifices of numbers go parallel to dimensional frames.
- 3. With it, transition and transformation from arithmetic to algebra to geometry to manifestation to transcendence become the different aspect and phases of transformation of continuity of mathematics.



LESSON-102

GANITA SUTRAS AND UPSUTRAS

4. Ganita Sutras and upsutras are the basis base of Vedic Mathematical systems.
5. Ganita Sutras and upsutras are also the basis base of arithmetic.
6. Ganita Sutra 1 is the sources sutra and Ganita Upsutra 1 is the sources upsutra of the pure and applied values of entire mathematically domain including arithmetic.
7. The initiation for pure and applied values of arithmetic is to be with values and virtues of Ganita Sutra 1 and Ganita Upsutra 1.
8. Ganita Sutra 1 has the sequential ordering value, including for numbers, and Ganita Upsutra 1 has the summity value including for the numbers.
9. The order and summity become the source principle of arithmetic systems.



LESSON-103

BASIC NUMBER AVAILED BY THE TEXT

10. Ganita Sutras and upsutras avails numbers (0, 1, 2, 7, 9, 10).
11. Numbers (3, 4, 5, 6 & 8) are being worked out to provide processing systems being achieved here.
12. The quadruple (3, 4, 5, 6) is parallel to four folds manifestation layer (3, 4, 5, 6) of hyper cube 5, the representative regular body of 5-space.

13. Number value 8, as a transcendental code value takes us to the formulation 'Akash/space'.
14. Further as that, the transcendental dimensional order (5-space as dimension) takes us to natural origin (8-space as origin) of 7-space having hyper cube 7 as its representative regular body.



LESSON-104

OPERATIONAL VALUES

15. Text of Ganita Sutras and Upsutras avail following operational values:
 - (I) More than.
 - (II) Less than.
 - (III) Equal.
 - (IV) Parallel.
 - (V) Reverse.
 - (VI) Repeated deficiency.
 - (VII) Part.
 - (VIII) Whole.
 - (IX) Complete.
 - (X) Incomplete.
 - (XI) Remainder.
 - (XII) Osculator.

