

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

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TRIPLE DIMENSIONAL FRAME

This day the course focus is upon 'Triple dimensional frame'. It four folds aspects being taken up are as follows:

- 113. Combined processing format of boundary and domain
- 114. Dual status of centre of a square
- 115. Location of triple dimensional frame at the centre of a square
- 116. Square and circle

The values being covered are to be taught as lessons numbers 113 to 116 to the students of 4-space Vedic Mathematics, Science & Technology.

**LESSON-113
COMBINED PROCESSING FORMAT OF
BOUNDARY AND DOMAIN**

1. The combined processing format of 2-space as boundary and 3-space domain, also further bring us face to face with the combined format of 2-space as domain and 3-space as origin.
2. This combined format as of 2-space domain and 3-space origin makes origin of 2-space being of special

attention as the same in the context of square makes a dual status for the centre of a square. ■

LESSON-114

DUAL STATUS OF CENTRE OF A SQUARE

3. Centre of a square is of a dual status.
 4. Firstly, centre of square is like any other point of the surface of the square.
 5. Secondly, centre of the square is distinct that other point as much as that the centre is equidistant from all the corner point while no other point of the surface has this feature.
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LESSON-115

LOCATION OF TRIPLE DIMENSIONAL FRAME AT THE CENTRE OF A SQUARE

6. Each of the four corner point of the square is embedded a 2 dimensional frame of half linear dimensions.
7. These quadruples half dimensional frames get paired has to pair by the pair of internal diagonal of a square.
8. Diagonal provide translation paths for the dimensional frames embedded in the ends points of the diagonals.
9. Pair of dimensional frames on translation and with a reach at the centre gets synthesized and constitute a 2 dimensional frame of full linear dimensions.

10. This way, there emerges to such synthesized dimensional frames of full linear dimensions.
11. This pair of dimensions together with a 2 dimensional frame of full dimension already available at the centre of square, it makes a set up of 3 such dimensional frames.
12. These 3 dimensional frames of a pair of full linear dimensions with centre of the square has the common seat of placement for the origin, make centre being a set up of structure which format is no more available to any other point of the square.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe these distinguishing features of centre of the square from other point of the square.

LESSON-116

SQUARE AND CIRCLE

14. Square and circle are two representative regular body of 2-space.
15. The domain boundary ratio in case of both square and circle accepts common formulation $a^2:4b$. This formulation has it is helps tame curvature, as much as that the curvature of that circumference (as well as of the surface area) gets jumped over with the technique of making area: circumference ratio as a computation technique.

