ACTIVITES (TERM-I)

(Any Eight)

Activity 1: To find the HCF of two Numbers Experimentally Based on Euclid Division Lemma

Activity 2: To Draw the Graph of a Quadratic Polynomial and observe:

i. The shape of the curve when the coefficient of x^2 is positive

ii. The shape of the curve when the coefficient of x^2 is negative

iii. Its number of zero

Activity 3: To obtain the zero of a linear Polynomial Geometrically

Activity 4: To obtain the condition for consistency of system of linear Equations in two variables

Activity 5: To Draw a System of Similar Squares, Using two intersecting Strips with nails

Activity 6: To Draw a System of similar Triangles Using Y shaped Strips with nails

Activity 7: To verify Basic proportionality theorem using parallel line board

Activity 8: To verify the theorem: Ratio of the Areas of Two Similar Triangles is Equal to the Ratio of the Squares of their corresponding sides through paper cutting.

Activity 9: To verify Pythagoras Theorem by paper cutting, paper folding and adjusting (Arranging)

Activity 10: Verify that two figures (objects) having the same shape (and not necessarily the same size) are similar figures. Extend the similarity criterion to Triangles.

Activity 11: To find the Average Height (in cm) of students studying in a school.

Activity 12: To Draw a cumulative frequency curve (or an ogive) of less than type.

Activity 13: To Draw a cumulative frequency curve (or an ogive) of more than type.