

## 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:
- The shape of the curve when the coefficient of  $x^2$  is positive
  - The shape of the curve when the coefficient of  $x^2$  is negative
  - 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.