

MODEL ACTIVITY TASKS
CLASS – IX
MATHEMATICS

Answer the following questions :

1. Calculate at what distance from the origin, the graph of the equation $\frac{x}{2} + \frac{y}{3} = 1$ intersects the x axis and the y axis.
2. Write separately what are the values a , x and y can take if $a^x = a^y \Rightarrow x = y$.
3. Write the coordinates of a point on each of the axes such that they are equidistant from the origin.
4. Express y in terms of x in the equation $3x - 2y = 5$. Now if $x = 5$, then find the value of y .
5. Mark an irrational number between two rational numbers on the number line.
6. Prove with reason that in a parallelogram —
 - (i) each diagonal divides it into congruent triangles;
 - (ii) the lengths of opposite sides are equal and
 - (iii) the opposite angles are equal in magnitude.

Students will write answers to these activity tasks in subject specific exercise books at home, and submit the exercise books to respective subject teachers after schools reopen.
Under no circumstance, students will go out of home