

<u>Graphs</u>

Cartesian plane:The plane in which the axes intersect each other at right angles is known as the Cartesian plane.

The coordinate axes divide a cartesian plane in four quadrants

1)Quadrant I: In this quadrant both x and y coordinates are positive.

2)Quadrant II: In this quadrant x coordinate is negative and y coordinate is positive.

3)Quadrant III: In this quadrant both x and y coordinates are negative.

4)Quadrant IV: In this quadrant x is positive and y is negative.

Note"x axis is also known as abscissa and y axis is also known as ordinate".

Line graph: A graph in which all the plotted points are joined to form a straight line.

Number line: A number line is a line on which the distance from the origin or zero is numbered in equal units, positive in one direction and negative in the opposite direction.