

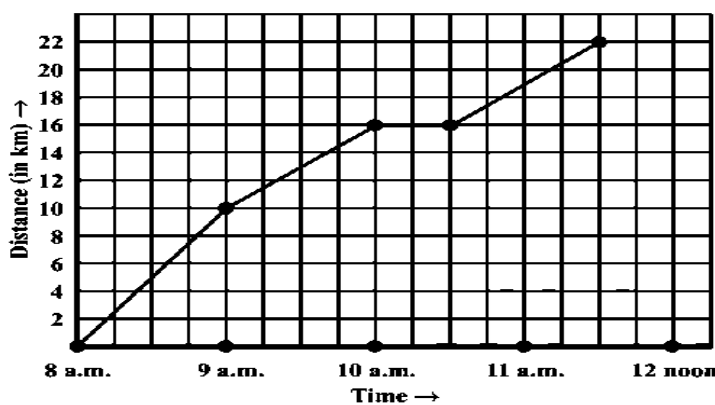
INTRODUCTION TO GRAPHS

1. The point Q (5,0) lies on
(a) X-axis (b) Y-axis (c) origin (d) a line parallel to X-axis
2. The incorrect statement from the following is
(a) A line graph displays data that changes over time.
(b) The independent variable is generally shown along x -axis.
(c) The two axes in a line graph must have the same scale.
(d) The graph of a linear equation is a straight line.
3. Plot each of the following points on the graph sheet. Verify that they lie on a line.
(i) A (4,0), B (4,2), C (4,2.5) and D (4,6)
(ii) P (1,1), Q (2,2), R (3,3) and S (4,4)
(iii) L (6,2), M (5,3), N (3,5) and O (2,6)
4. Locate the points A (1, 2), B (4, 2) and C (1, 4) on graph sheet taking the suitable axes. Write the coordinates of the fourth point D in order to complete the rectangle ABCD.
5. Draw a line graph for the following data:

Month	May	June	July	August	September
Rainfall. (in cm)	3	7	4	6	4.5

Also check if the graph linear or not?

6. Porter Courier Service is a platform to smoothen the process of sending packages and parcels. A courier-person rides from a town to a neighbouring suburban area to deliver a parcel to a merchant. His distance from the town at different times is shown by the following graph.



Based on the given information, answer the following questions:

- (a) How much time did the person take for the travel?
- (b) Did the person stop on his way? Explain.
- (c) During which period did he ride fastest?
- (d) At what speed did the courier person travelled between 9 am to 10 am?