

1. What is the horizontal axis of a co-ordinates plane called?

2. The point where both co-ordinates are zero is _____

3. Draw a line graph for the equation $a = 3b + 1$.

4. Draw the graph of the following table. Is it a linear graph?

X	3	4	5	6	7
Y	12	16	20	24	28

5. Use the tables below to draw linear graphs: (a) the number of days a hillside city received snow in different years.

Year	2003	2004	2005	2006
Days	8	10	5	12

6. A bus is going on a long journey starting at 5:00 hours. The speed of the bus at different hours is given below:

Time (in hrs)	5:00	6:00	7:00	8:00	9:00
Speed (in km/hr)	30	50	60	45	80

7. The following was the sale in a fruit shop in a week. Draw a line graph to display this information.

Day	Mon	Tues	Wed	Thurs	Fri	Sat
Sale (₹)	2500	3000	3500	4000	3000	4500

8. The temperature of a patient, admitted in a hospital with typhoid fever, taken at different times of the day are given below. Draw the temperature time graph to represent the data:

Time (in hrs)	6:00	8:00	10:00	12:00	14:00	16:00	18:00
Temperature (in °F)	102	100	99	103	100	102	99

9. Plot the points $(-2, 0)$, $(0, 2)$, $(2, 3)$ and join them. Do you get a triangle on joining these points?

10. The runs scored by two teams A and B in first 10 overs are given below:

Draw a graph depicting the data making the graph on the same axis.

Overs	I	II	III	IV	V	VI	VII	VIII	IX	X
Team A	2	1	8	9	4	5	6	10	6	2
Team B	5	6	2	10	5	6	3	4	8	10

11. The runs scored by a cricket team in 15 overs are given below:

Draw the graph representing the above data.

Overs	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XVI	XV
Runs	2	1	4	2	6	8	10	21	5	8	3	2	6	8	12