

[Download Doubtnut Now](#)

EXERCISE 15.1 - Question No. 1

The following graph show the temprature of a patient in a hospital, recorded every hour, (a) What was the patient's temperature at 1 p.m.? *b) When was the patient's temperature 38.5°C ? (j) The patients temperature was the same two times during the period given. What were these two times? (k) What was the temperature at 1.30 p.m.? How did you arrive at your answer? (l) During which periods did the patients temperature showed an upward trend?

[Watch Free Video Solution on Doubtnut Now](#) 

EXERCISE 15.1 - Question No. 2

The following line graph shows the yearly sales figures for a manufacturing company. (a) What were the sales in (i) 2002 (ii) 2006? (b) What were the sales in (i) 2003 (ii) 2005? (c) Compute the difference between the sales in 2002 and 2006. (d) In which year was there the greatest difference between the sales as compared to its previous year?

[Watch Free Video Solution on Doubtnut Now](#) 

EXERCISE 15.1 - Question No. 3

For an experiment in Botany, two different plants, plant A and plant B were grown under similar laboratory conditions. Their heights were measured at the end of each week for 3 weeks. The results are shown by the following graph. (a) How high was Plant A after (i) 2 weeks (ii) 3 weeks? (b) How high was Plant B after (i) 2 weeks (ii) 3 weeks? (c) How much did Plant A grow during the 3rd week? (d) How much did Plant B grow from the end of the 2nd week to the end of the 3rd week? (e) During which week did Plant A grow most? (f) During which week did Plant B grow least? (g) Were the two plants of the same height during any week shown here?

Specify.

Watch Free Video Solution on DoubtNut Now 

EXERCISE 15.1 - Question No. 4

The following graph shows the temperature forecast and the actual temperature for each day of a week. (a) On which days was the forecast temperature the same as the actual temperature? (b) What was the maximum forecast temperature during the week? (c) What was the minimum actual temperature during the week? (d) On which day did the actual temperature differ the most from the forecast temperature?

Watch Free Video Solution on Doubtnut Now



EXERCISE 15.1 - Question No. 5

Use the tables below to draw linear graphs. (a) The number of days a hill side city received snow in different years. Years

2003, 2004, 2005 and 2006 and Days 8, 10, 5, and 12 (b)

Population (in thousands) of men and women in a village in different years.

Watch Free Video Solution on DoubtNut Now



EXERCISE 15.1 - Question No. 6

A courier-person cycles 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. (a) What is the scale taken for the time axis? (b) How much time did the person

take for the travel? (c) How far is the place of the merchant from the town? (d) Did the person stop on his way? Explain. (e) During which period did he ride fastest?

[Watch Free Video Solution on Doubtnut Now](#) 

EXERCISE 15.1 - Question No. 7

Can there be a time-temperature graph as follows? Justify your answer.

[Watch Free Video Solution on Doubtnut Now](#) 

EXERCISE 15.2 - Question No. 1

Plot the following points on a graph sheet. Verify if they lie on a line (a) $A(4, 0)$, $B(4, 2)$, $C(4, 6)$, $D(4, 2.5)$ (b) $P(1, 1)$, $Q(2, 2)$, $R(3, 3)$, $S(4, 4)$ (c) $K(2, 3)$, $L(5, 3)$, $M(5, 5)$, $N(2, 5)$

[Watch Free Video Solution on Doubtnut Now](#) 

EXERCISE 15.2 - Question No. 2

Draw the line passing through $(2, 3)$ and $(3, 2)$. Find the coordinates of the points at which this line meets the x-axis and y-axis.

[Watch Free Video Solution on Doubtnut Now](#) 

EXERCISE 15.2 - Question No. 3

Write the coordinates of the vertices of each of these adjoining figures.

Watch Free Video Solution on DoubtNut Now



EXERCISE 15.2 - Question No. 4

State whether True or False. Correct that are false. (i) A point whose x coordinate is zero and y-coordinate is non-zero will lie on the y-axis. (ii) A point whose y coordinate is zero and x-coordinate is 5 will lie on y-axis. (iii) The coordinates of the origin are $(0, 0)$.

Watch Free Video Solution on DoubtNut Now



EXERCISE 15.3 - Question No. 1

Draw the graphs for the following tables of values, with suitable scales on the axes. (a) Cost of apples Number of (b) Distance travelled by a car, Time (i) How much distance did the car cover during the period 7.30 a.m. to 8 a.m? (ii) What was the time when the car had covered a distance of 100km since its start? (c) Interest on deposits for a year. Deposit Simple Interest (i) Does the graph pass through the origin? (ii) Use the graph to find the interest on $\text{Rs}2500$ for a year. (iii) To get an interest of $\text{Rs}280$ per year, how much money should be deposited?

Watch Free Video Solution on DoubtNut Now 

Draw a graph for the following. (i) Side of square (in cm)

2, 3, 3.5, 5, 6 and Perimeter (in cm) 8, 12, 14, 20, 24 Is it a linear

graph ? (ii) Side of square (in cm) 2, 3, 4, 5, 6 and Area (in cm)

4, 9, 16, 25, 36 Is it a linear graph ?

Watch Free Video Solution on DoubtNut Now



SOLVED EXAMPLES - Question No. 1

(A graph on performance) The given graph (Fig 15.7) represents the total runs scored by two batsmen A and B, during each of the ten different matches in the year 2007. Study the graph and answer the following questions. (i) What information is given on the two axes? (ii) Which line shows the runs scored by batsman A? (iii)

Were the runs scored by them same in any match in 2007? If so, in which match? (iv) Among the two batsmen, who is steadier? How do you judge it?

Watch Free Video Solution on DoubtNut Now 

SOLVED EXAMPLES - Question No. 2

The given graph (Fig 15.8) describes the distances of a car from a city P at different times when it is travelling from City P to City Q, which are 350 km apart. Study the graph and answer the following:

(i) What information is given on the two axes? (ii) From where and when did the car begin its journey? (iii) How far did the car go in the first hour? (iv) How far did the car go during (i) the 2nd hour?

(ii) the 3rd hour? (v) Was the speed same during the first three hours? How do you know it? (vi) Did the car stop for some duration at any place? Justify your answer. (vii) When did the car reach City Q?

Watch Free Video Solution on DoubtNut Now



SOLVED EXAMPLES - Question No. 3

Plot the point $(4, 3)$ on a graph sheet. Is it the same as the point $(3, 4)$?

Watch Free Video Solution on DoubtNut Now



SOLVED EXAMPLES - Question No. 4

From Fig 15.14, choose the letter(s) that indicate the location of the points given below: (i) (2, 1) (ii) (0, 5) (iii) (2, 0) Also write (iv) The coordinates of A. (v) The coordinates of F.

[Watch Free Video Solution on DoubtNut Now](#) 

SOLVED EXAMPLES - Question No. 5

Plot the following points and verify if they lie on a line. If they lie on a line, name it. (i) (0, 2), (0, 5), (0, 6), (0, 3.5) (ii) A (1, 1), B (1, 2), C (1, 3), D (1, 4) (iii) K (1, 3), L (2, 3), M (3, 3), N (4, 3) (iv) W (2, 6), X (3, 5), Y (5, 3), Z (6, 2)

[Watch Free Video Solution on DoubtNut Now](#) 

SOLVED EXAMPLES - Question No. 6

(Quantity and Cost) The following table gives the quantity of petrol and its cost. No of Litres of petrol 10, 15, 20, 25 and Cost of petrol in *Rs*500, 750, 1000, 1250 Plot a graph to show the data.

Watch Free Video Solution on DoubtNut Now 

SOLVED EXAMPLES - Question No. 7

(Principal and Simple Interest) A bank gives 10% Simple Interest (S.I.) on deposits by senior citizens. Draw a graph to illustrate the relation between the sum deposited and simple interest earned. Find from your graph (a) the annual interest obtainable for an investment

of Rs 250. (b) the investment one has to make to get an annual simple interest of Rs 70.

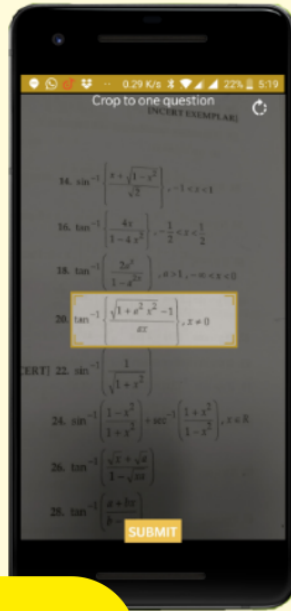
Watch Free Video Solution on DoubtNut Now 

SOLVED EXAMPLES - Question No. 8

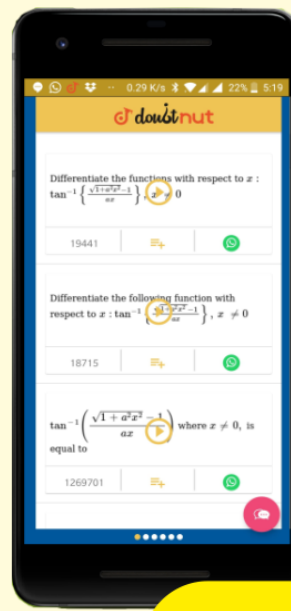
(Time and Distance) Ajit can ride a scooter constantly at a speed of $30\text{km}\frac{\text{s}}{\text{h}}$ our. Draw a time-distance graph for this situation. Use it to find (i) the time taken by Ajit to ride 75km . (ii) the distance covered by Ajit in $3\left(\frac{1}{2}\right)$ hours.

Watch Free Video Solution on DoubtNut Now 

FREE Mein Milega Maths ke har question ka video solution :)



Bas Question
ki photo khicho..



Turant video
solution paayo!!

 **doubt**nut
पढ़ना हुआ आसान

DOWNLOAD NOW!