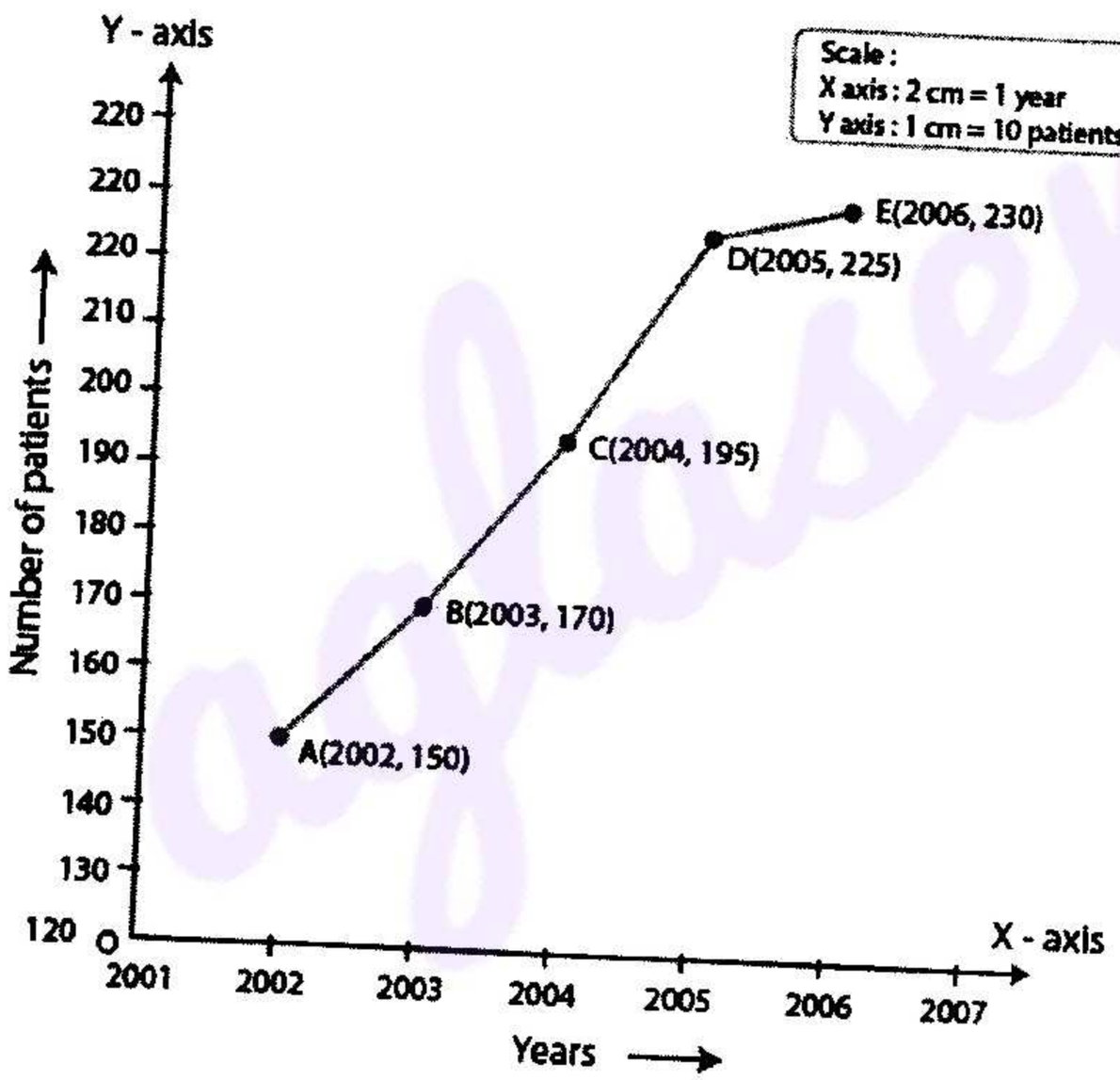
Exercise 27.2

Q.1 The following table shows the number of patients discharged from a hospital with HIV diagnosis in different years:

Years :	2002	2003	2004	2005	2006
No. of patients :	150	170	195	225	230

Represent this information by a graph.

Solution:

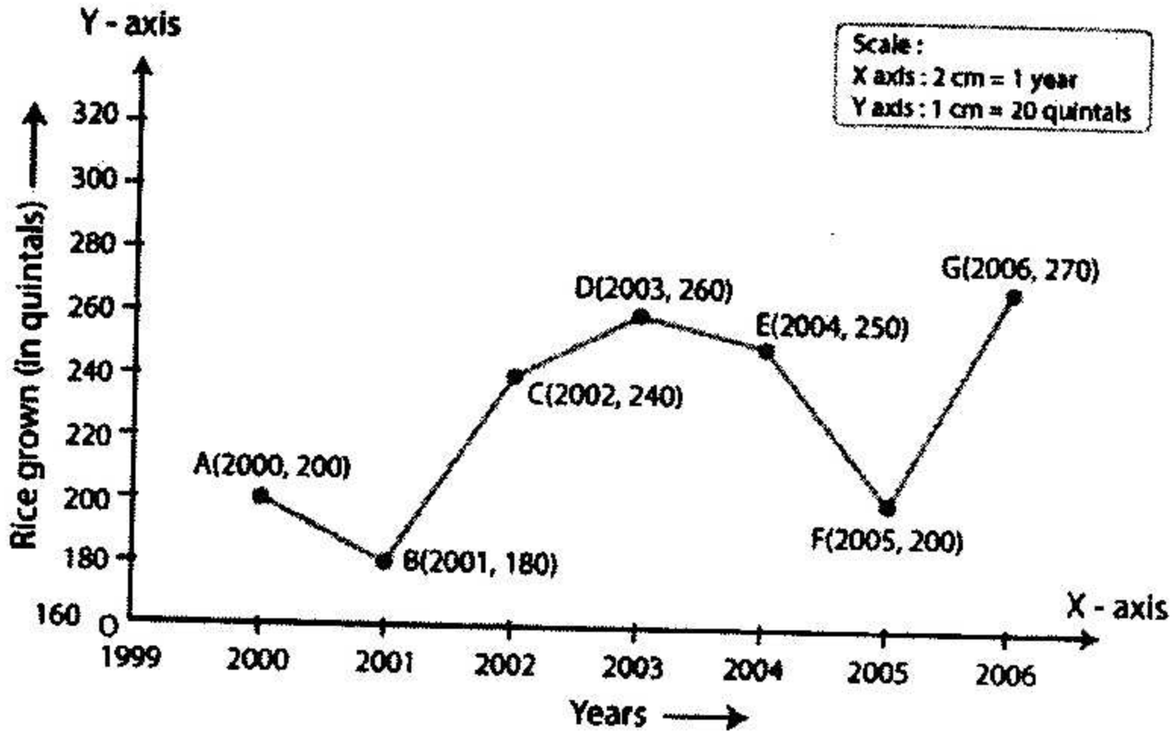


Q.2 The following table shows the amount of rice grown by a farmer in different years.

Years	2000	2001	2002	2003	2004	2005	2006
Rice grown	200	180	240	260	250	200	270

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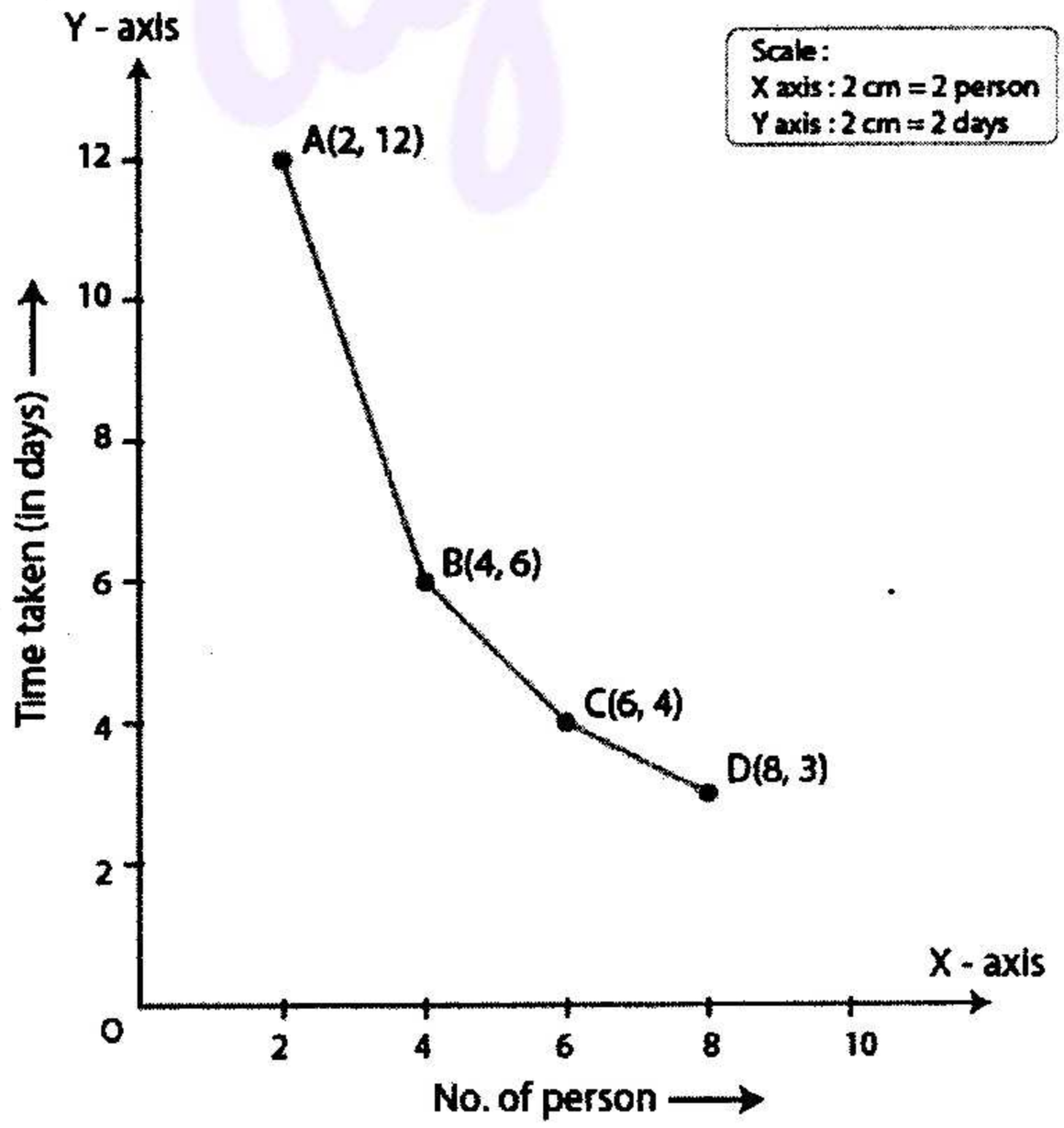


Q.3 The following table gives the information regarding the number of persons employed to a piece of work and time taken to complete the work.

Number of persons :	2	4	6	8
Time taken :	12	6	4	3

Plot a graph of this information.

Solution :



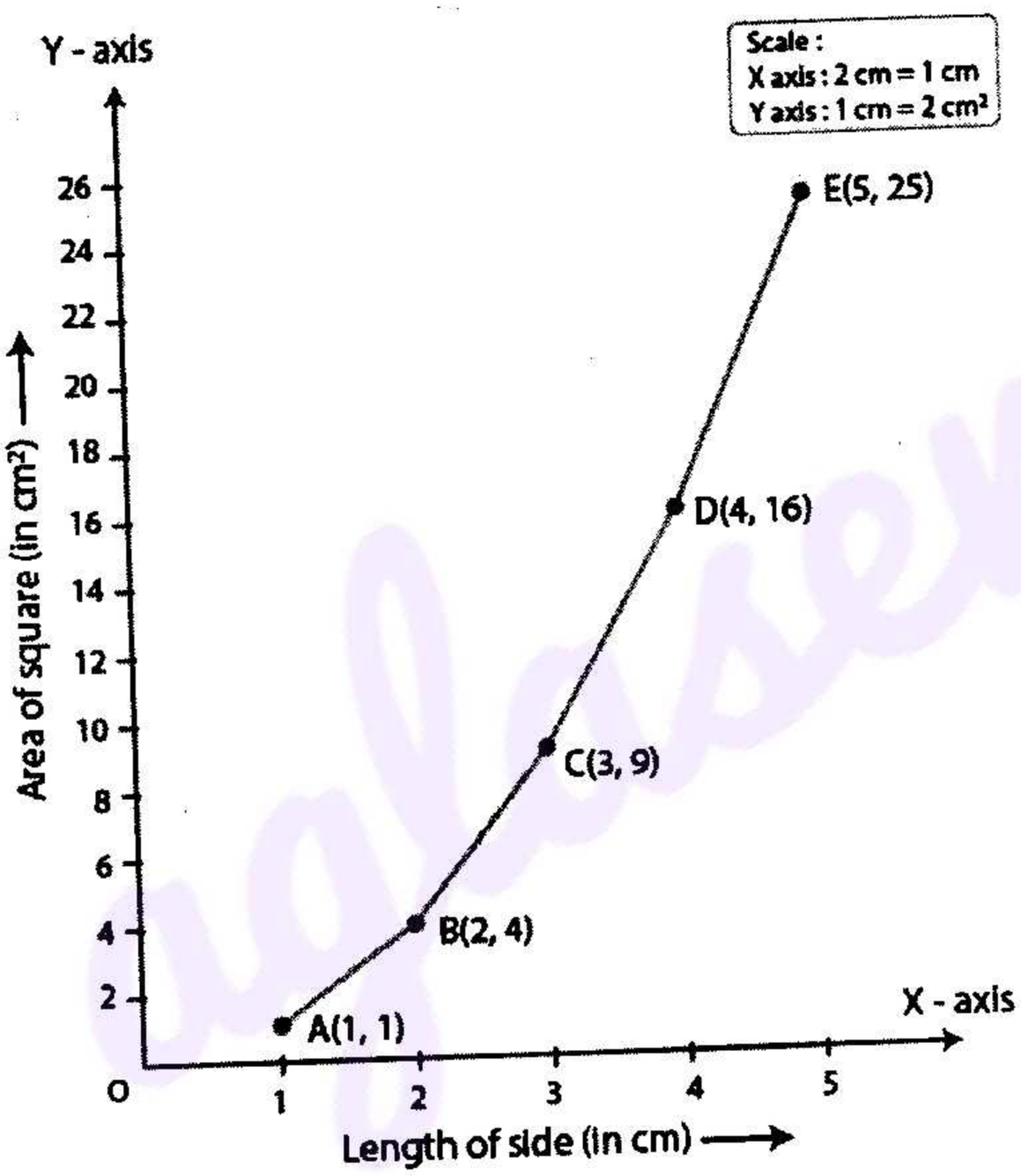
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Q.4 The following table gives the information regarding length of a side of a square and its area.

Length of side (cm)	1	2	3	4	5
Area of square (cm^2)	1	4	9	16	25

Solution:

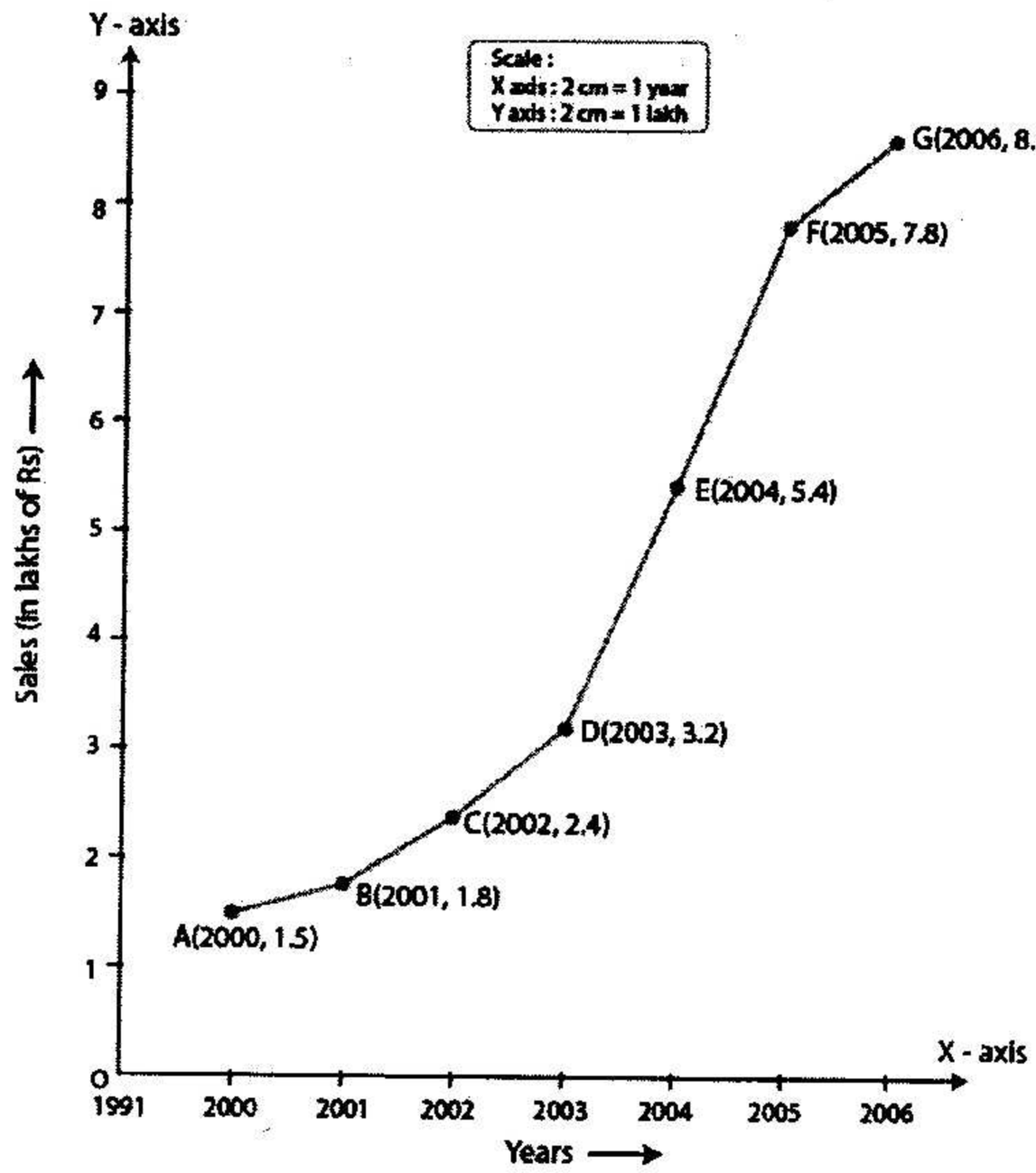


Q.5 The following table shows the sales of a commodity during the years 2000 to 2006.

Years :	2000	2001	2002	2003	2004	2005	200
Sales (In lakh of Rs) :	1.5	1.8	2.4	3.2	5.4	7.8	8.5

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Q.6 Draw the temperature - time graph in each of the following cases :

(i) Time (hrs) :	7:00	9:00	11:00	13:00	15:00	17:00
Temp (°F) in :	100	101	104	102	100	99

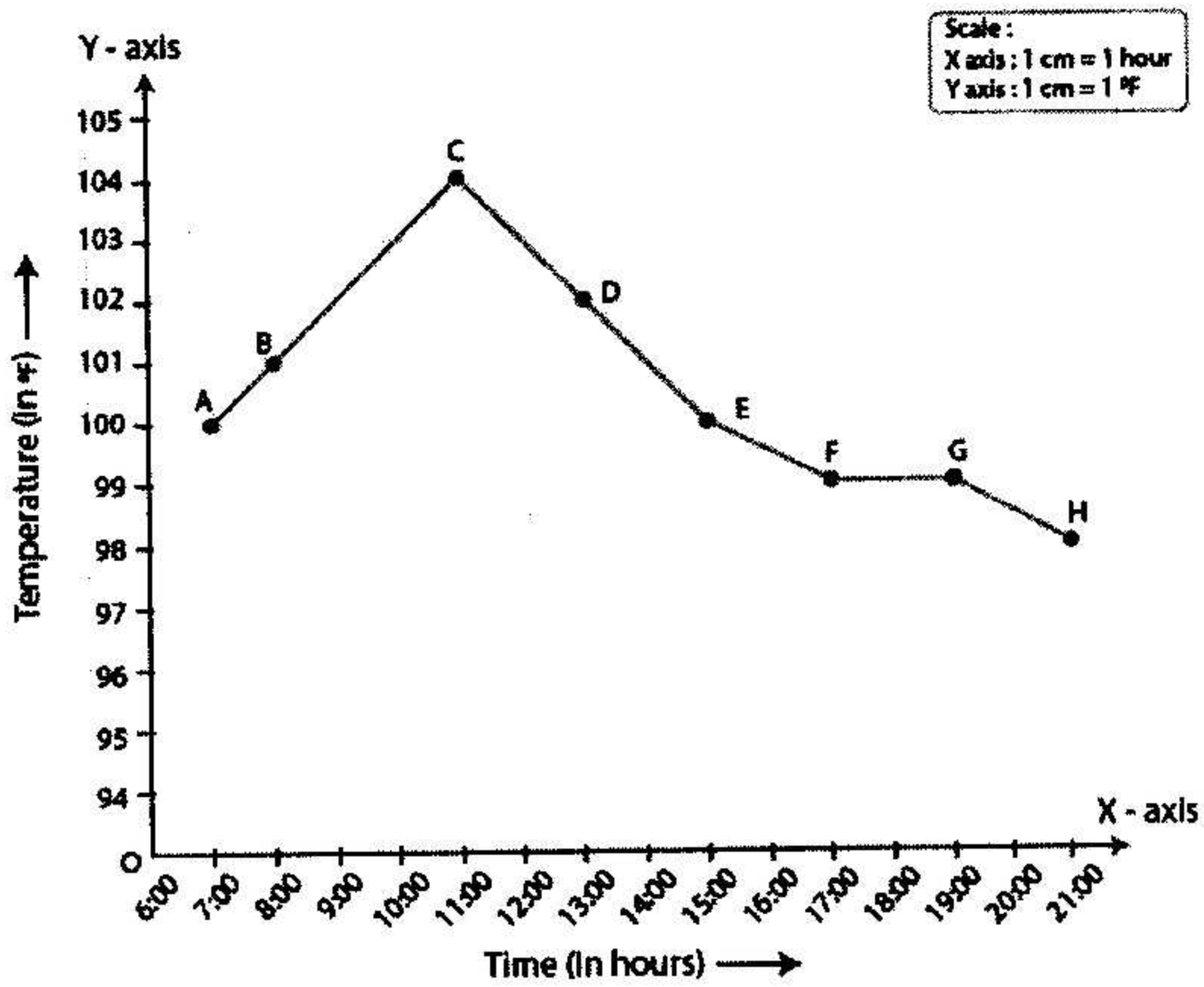
Time (hrs) :	19:00	21:00
Temp (°F) in :	100	98

(ii) Tim (hrs) :	8:00	10:00	12:00	14:00	16:00	18:00	20:00
Temp :	100	101	104	103	99	98	100

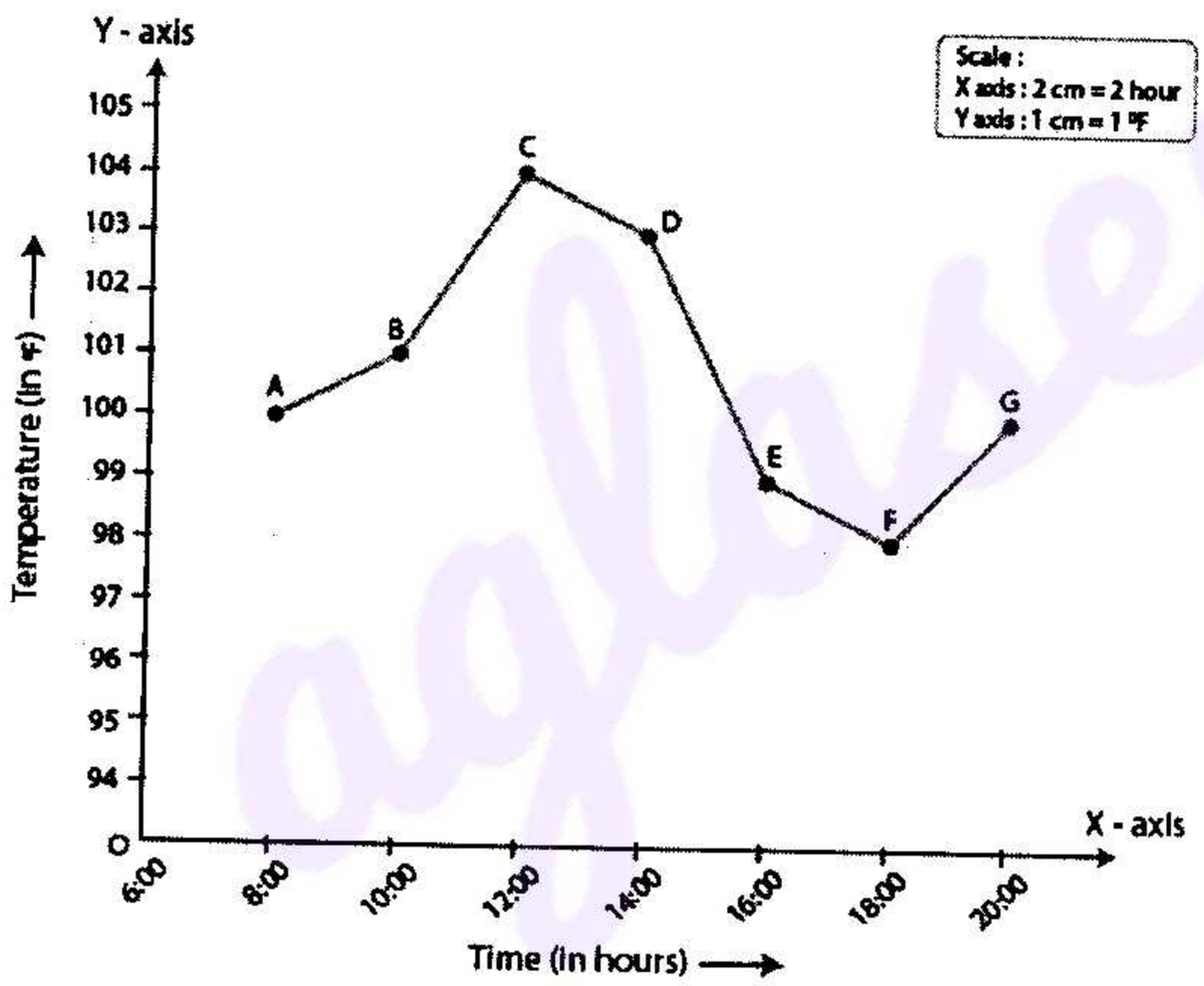
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(i)



(ii)

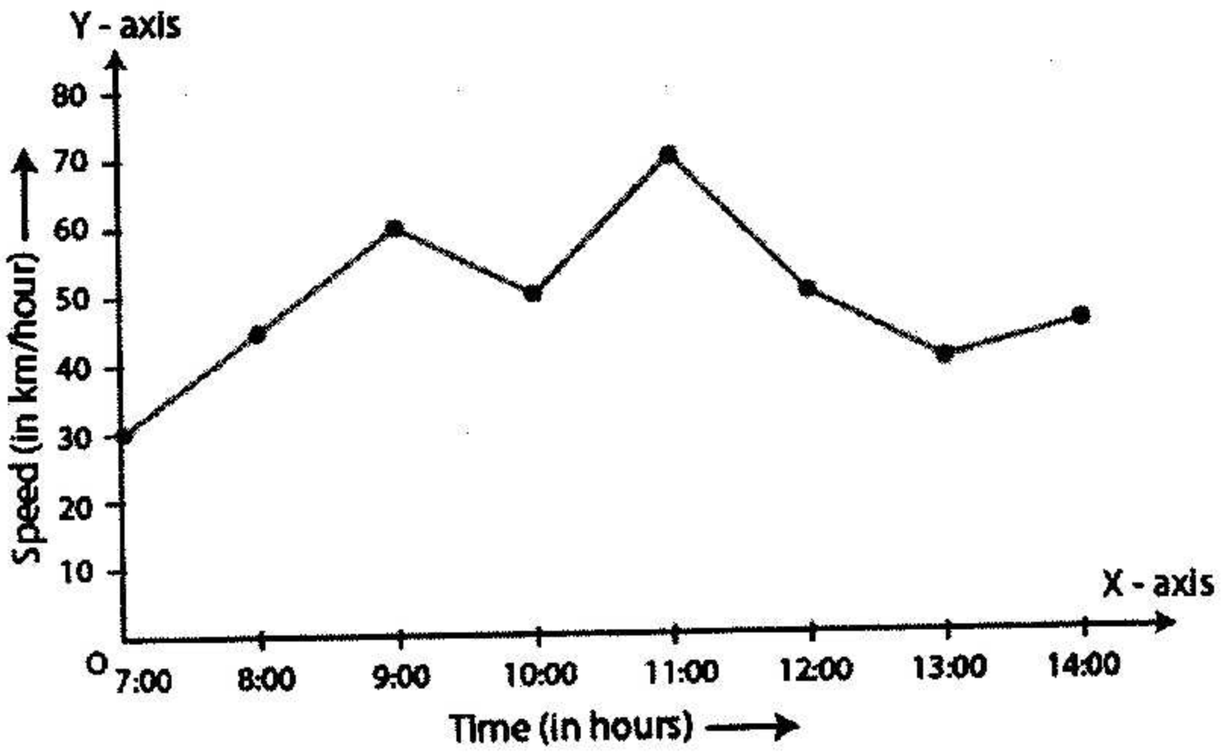


Q.7 Draw the velocity time graph from the following data.

Time (hrs)	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:0
Speed (KM/h)	30	45	60	50	70	50	40	45

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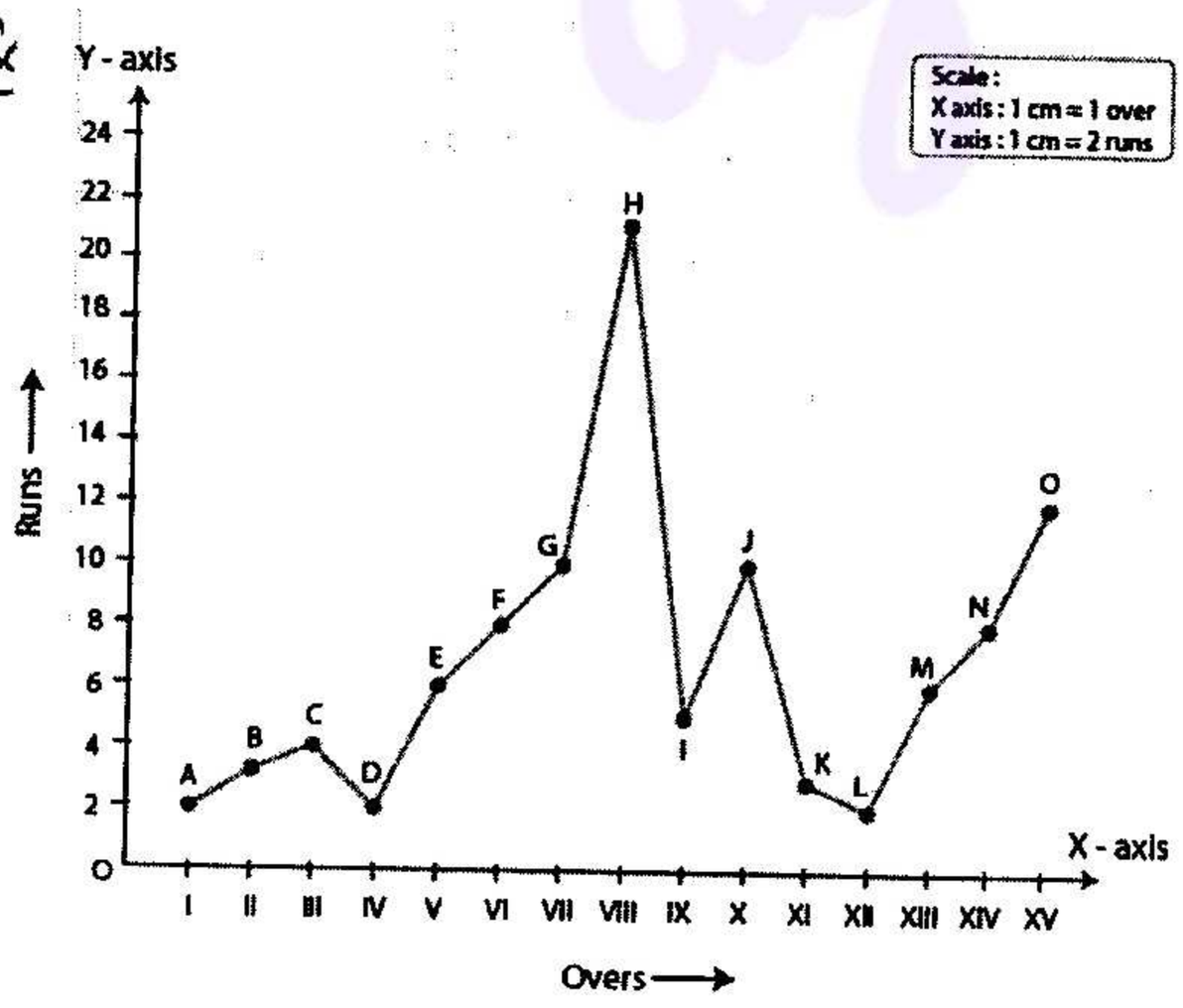


Q.8 The runs scored by a cricket team in first 15 overs are given below:

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

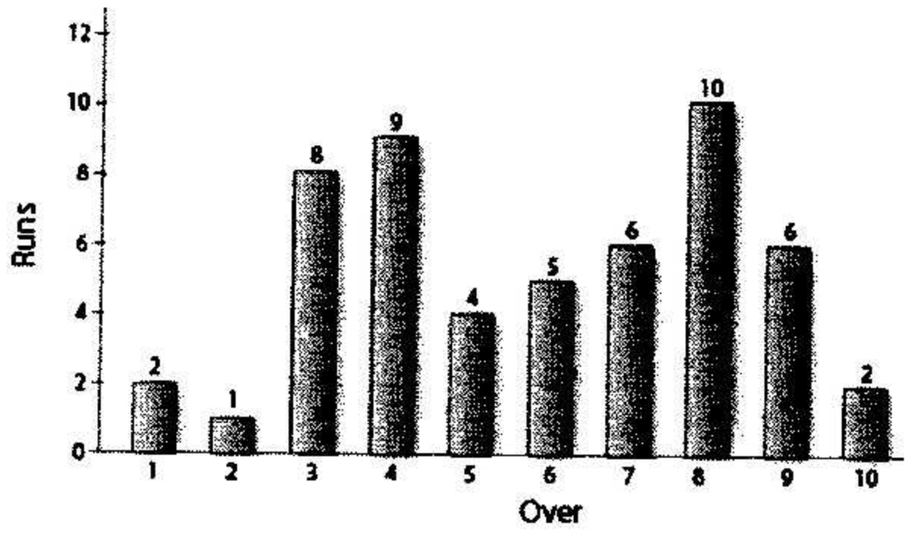
Draw the graph representing the above data in two different ways as a graph and as a bar chart.

Sol



Scale:
X axis : 1 cm = 1 over
Y axis : 1 cm = 2 runs

bar graph is as follows:



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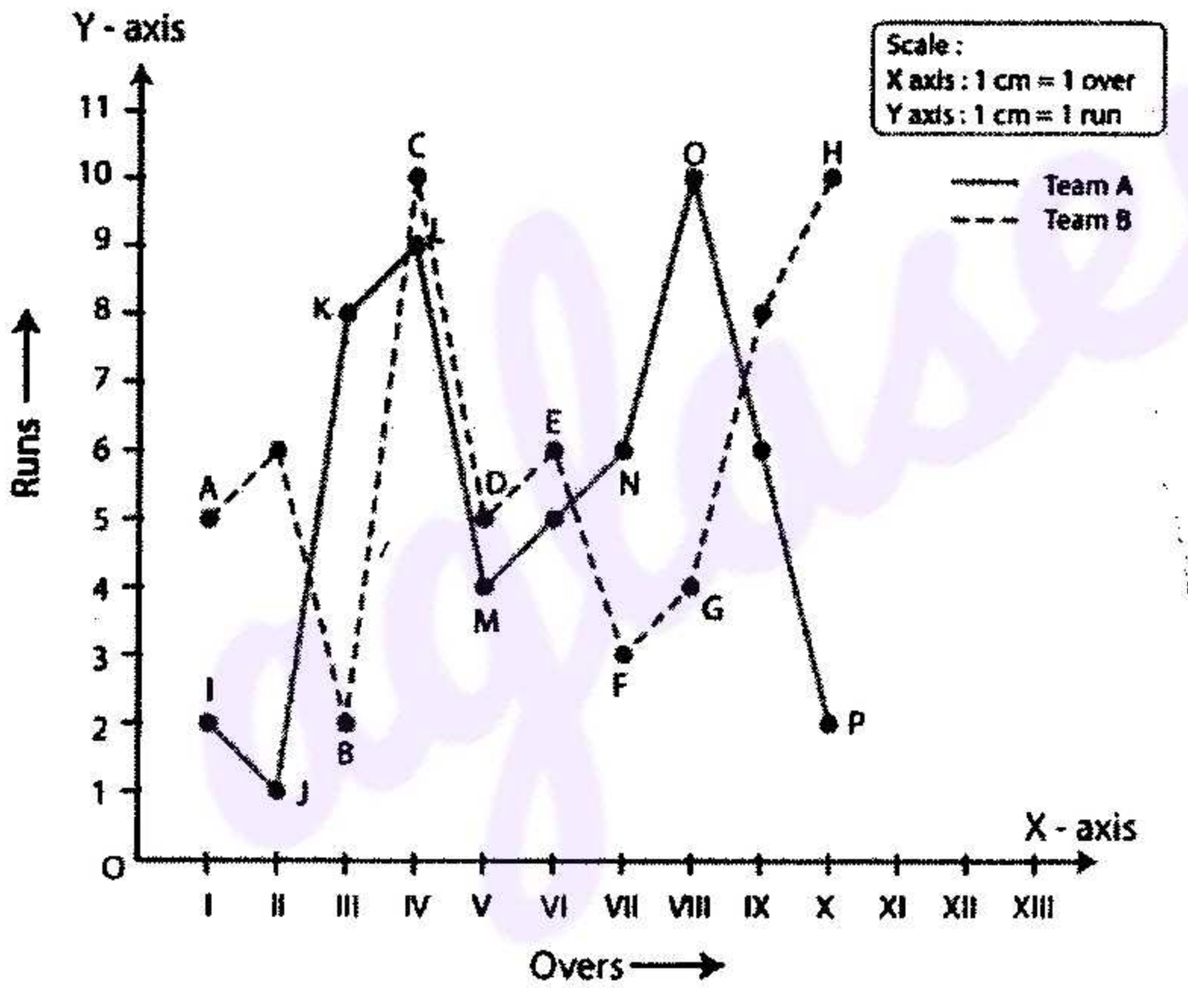
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Q9 The runs scored by two teams A and B in First 10 overs are given below:

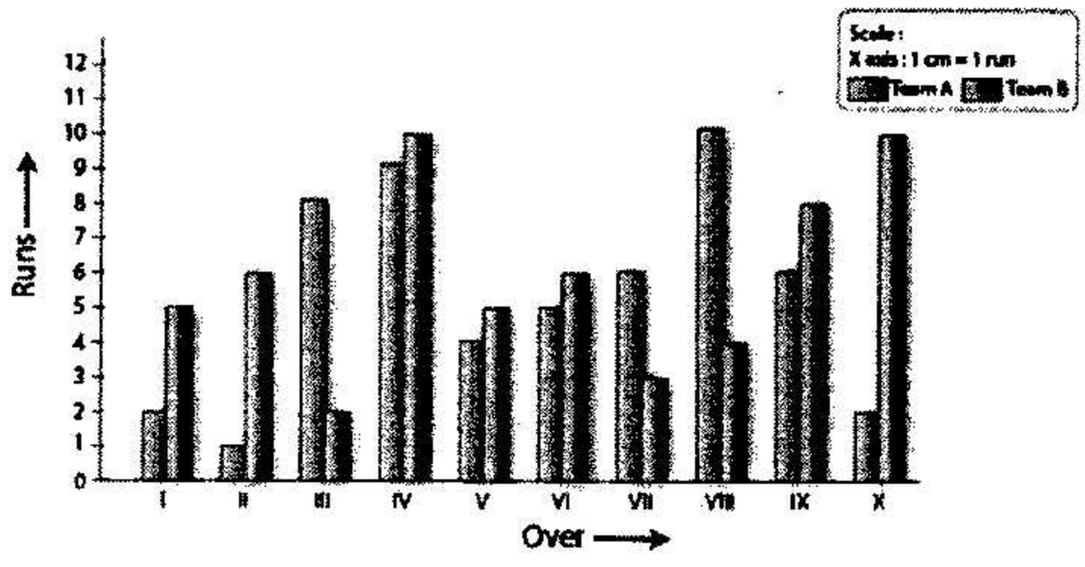
Overs	I	II	III	IV	V	VI	VII	VIII	IX	X
Team A	2	1	8	9	4	5	6	10	6	2
Team B	5	6	2	10	5	6	3	4	8	10

Draw a graph depicting the data, making the graphs on the same axes in each case in two different ways as a graph and as a bar chart.

Solution:



The bar graph is as follows:



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