

STATISTICS

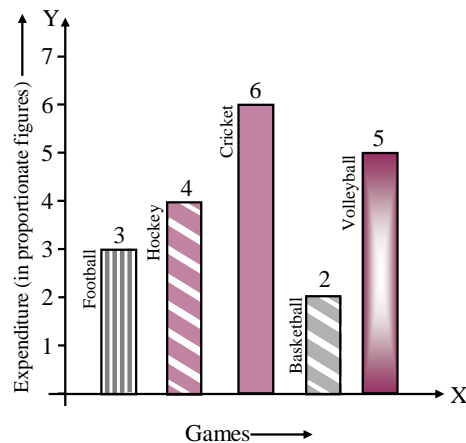
GRAPHICAL REPRESENTATION OF STATISTICS DATA

EXERCISE

Q.1 In figure, the bar diagram presents the expenditure (in proportionate figures) on five different sports. If the total expenditure incurred on all the sports in a particular year be ₹2,00,000, then find the amount spent

(i) on hockey

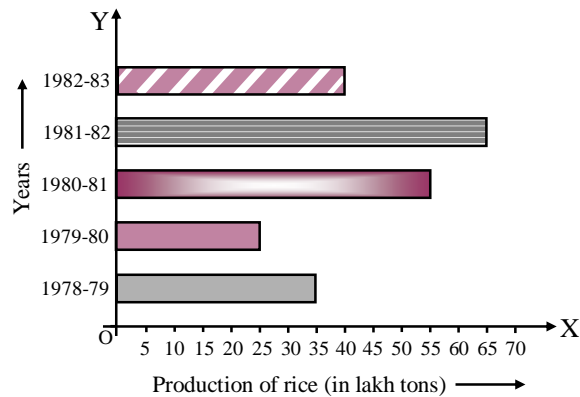
(ii) on cricket



Q.2 Compare the academic standard of two classes A and B each of 40 students on the basis of the following data by making bar diagram.

Marks :	0-10	10-30	30-60	60-100
No. of students in A :	5	10	20	5
No. of students in B :	10	15	10	5

Q.3 Read the bar graph in figure and answer the following :



- What information is given by the bar graph ?
- What was the quantity of rice production in the year 1980-81.
- What is the difference between the maximum and minimum production of rice in the time span of 1978-1983.

Q.4 The following table gives the marks scored by 100 students in an entrance examination. Represent this data in the form of a histogram.

Marks	No of student (Frequency)
0-10	4
10-20	10
20-30	16
30-40	22
40-50	20
50-60	18
60-70	8
70-80	2

Q.5 The following is the distribution of weights (in kg) of 50 persons : Draw a histogram for the above data.

weight (in kg)	No of person
50-55	12
55-60	8
60-65	5
65-70	4
70-75	5
75-80	7
80-85	6
85-90	3

Q.6 Represent the following data by means of histogram.

Weekly wages (in Rs)	No. of workers (Frequency)
10-15	7
15-20	9
20-25	8
25-30	5
30-40	12
40-60	12
60-80	8

Q.7 Draw a histogram for the marks of students given below:

Marks	No. of students
0-10	8
10-30	32
30-45	18
45-50	10
50-60	6

Q.8 Construct a histogram from the following distribution of total marks obtained by 65 students of IX class in the final examination.

Marks (midpoints)	No. of students
150	8
160	10
170	25
180	12
190	7
200	3

Q.9 Draw a histogram for the following data:

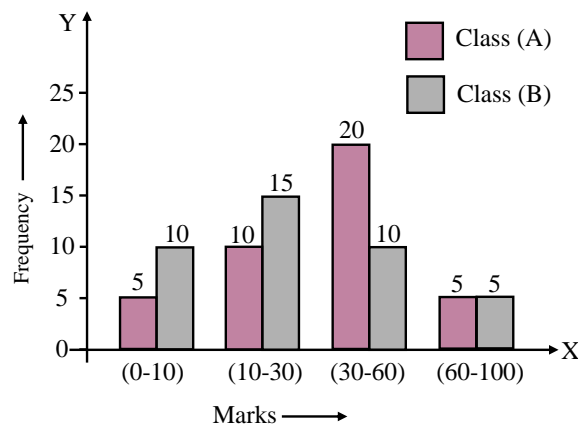
Class	Frequency
25-29	5
30-34	15
35-39	23
40-44	20
45-49	10
50-54	7

- Q.10** The expenditure of a company under different heads (in millions of rupees) is given below. Draw a bar chart to depict the above data.

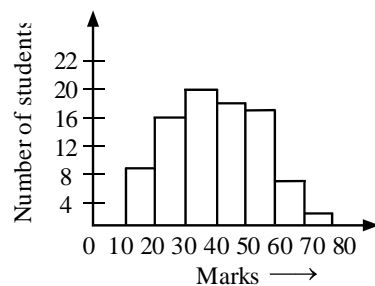
Head	Expenditure
salary	20
Raw material	40
Transport	10
Rent	5
Others	15

ANSWER KEY

1. Amount spent on hockey = ₹40,000, Amount spent on cricket = ₹60,000

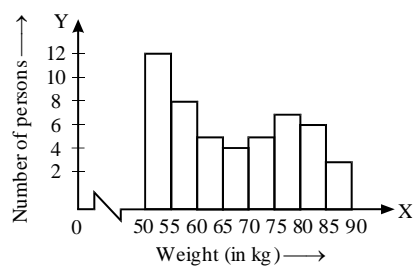


- 2.
3. (i) The bar graph, represents production of rice in the period 1978-1983 (year-wise).
 (ii) 55 lakh tons.
 (iii) 40 lakh tons

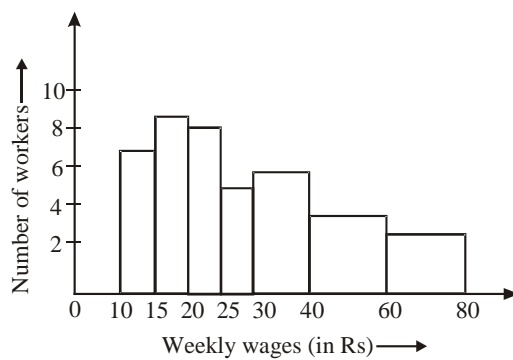


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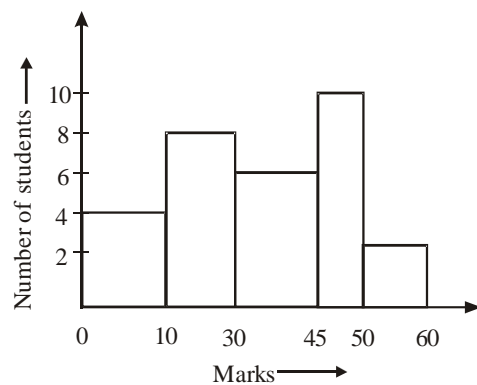
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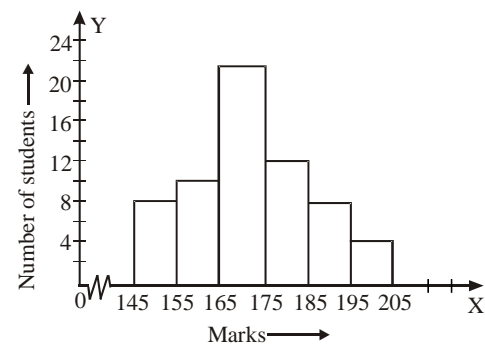
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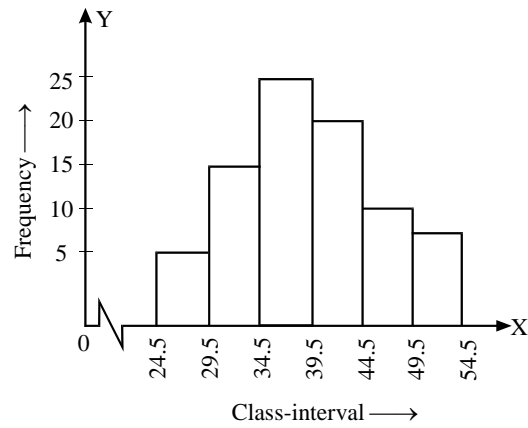


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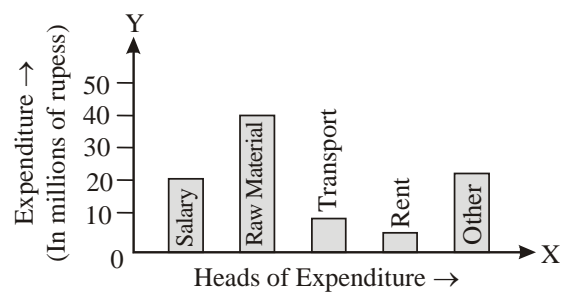


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