

ATOMIC ENERGY EDUCATION SOCIETY
WORKSHEET-1

CLASS: VIII

SUBJECT : MATHEMATICS

UNIT 5 – DATA HANDLING
MODULE - 1/5

A. Choose the correct answer:

- The difference between the highest and the lowest value of the observations in a data is called:
I. Mean
II. Range
III. Total frequency
IV. Sum of observation
- In a bar graph which of the following is represented by the heights of the rectangles?
I. Frequency
II. Class interval
III. Class size
IV. Range
- A graph showing two sets of data simultaneously is
I. pictograph
II. bar graph
III. double bar graph
IV. pie chart

B. DO AS DIRECTED

- Number of workshops organized by a school in different areas during the last six years are as follows:

YEARS	NUMBER OF WORKERS
1992-93	30
1993-94	25
1994-95	48
1995-96	50
1996-97	45
1997-98	20

Represent the above information by a Bar graph

- Draw a pictograph from the given table in which the number of students studying in different classes of a primary school is given:

Class	I	II	III	IV	V
Number of students	80	70	60	50	40

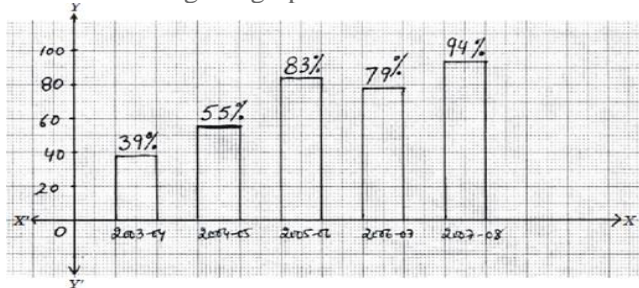
- The number of students admitted in different faculties of a college in two consecutive academic years are given below. Represent the above information by a Double bar graph

FACULTY	NUMBER OF STUDENTS IN 2000-2001	NUMBER OF STUDENTS IN 2001-2002
Commerce	450	500
Arts	300	250
Science	1200	1400
Law	1000	850
Computers	650	950

7. A group of 20 students recorded their heights (in cm). The data received were as given below. What is the range?

150, 120, 112, 160, 155, 151, 158, 142, 148, 149, 161, 165, 140, 157, 156, 146, 148, 153, 138, 135

8. The following bar graph shows the result of class XII of a school:



Answer the following questions based on the above bar graph:

- In which year the increase in the result was maximum?
- In which year the result of Class XII falls?
- In which year the result of Class XII was minimum?

9. The following table represents the number of students in a school playing six different games.

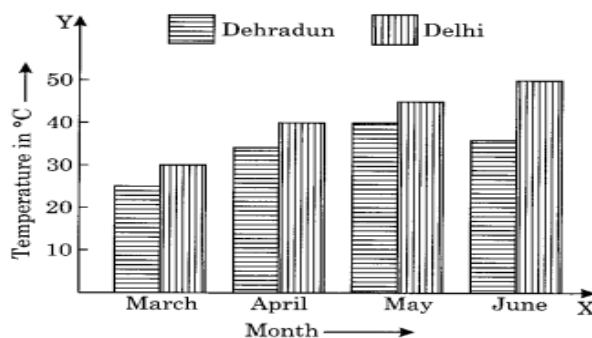
Games	Number of students
Hockey	175
Football	200
Cricket	150
Tennis	50
Squash	75
Badminton	40

Present the above information on a bar graph.

10. The double bar graph shows the average monthly temperatures of two cities over 4 months period.

Read the graph carefully and answer the questions given below:

(i) What does each 1 cm block on the vertical axis represent?



- What was the average monthly temperature in Dehradun in May?
- What was the average monthly temperature in Delhi for the whole 4 months?
- In which month was the difference between the temperature of Delhi and Dehradun maximum and how much?