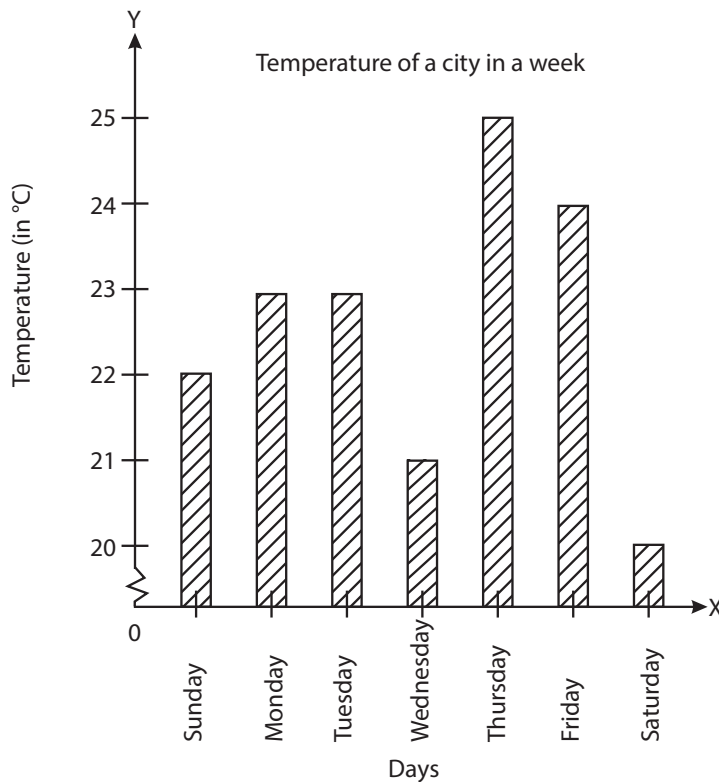


Worksheet

1. The graph depicts the temperature recorded on different days in a week of a particular city. Observe the graph and select the correct answer.



- a. Minimum temperature was recorded on
i. Monday ii. Sunday iii. Friday iv. Saturday
- b. 22°C temperature was recorded on
i. Monday ii. Sunday iii. Friday iv. Saturday
- c. What temperature was recorded on Wednesday?
i. 21°C ii. 24°C iii. 22°C iv. 23°C
2. Fill in the blanks.
- a. The information collected by an individual is called _____.
- b. The difference between the maximum value and the minimum value is called its _____.
- c. If $x_1, x_2, x_3, \dots, x_n$ are the values of n observations, then the arithmetic mean is given by _____.
- d. The mean of first four prime numbers is _____.

3. The following speeds of cars crossing a highway are recorded:
55, 72, 66, 56, 57, 62, 74, 52, 59, 73, 78, 66, 56, 68, 53, 63, 75, 74, 73, 70, 44, 45, 47, 54, 56, 58, 64, 68, 70, 73.
Using class intervals of 50–55, 55–60, etc., prepare a grouped frequency table.
4. Heights (in cm) of 40 children are given below:
73, 74, 59, 73, 68, 60, 69, 67, 58, 62, 70, 59, 78, 76, 71, 72, 59, 55, 64, 56, 80, 73, 76, 82, 77, 62, 82, 74, 72, 64, 67, 63, 68, 67, 59, 66, 80, 59, 58, 60
Construct the frequency distribution table using tally marks.
5. The marks obtained by 20 students of a class are given below:
49, 39, 45, 27, 35, 45, 39, 40, 37, 46, 42, 45, 30, 40, 25, 35, 45, 46, 39, 42
Find the mean of the above marks obtained.
6. The marks (out of 100) obtained by a group of students in Science test are given as follows.
89, 49, 72, 97, 93, 85, 75, 80, 85, 55.
Find the
- highest and the lowest marks obtained.
 - the range of the marks.
 - mean marks.
7. Find the mean of first ten multiples of three.
8. The following data gives the average monthly attendance of class VII B.

Months	July	Aug.	Sep.	Oct.	Nov.	Dec.
Attendance	35	38	42	37	44	48

Draw a line graph to represent it.

9. Chunky's schedule of different hours of a working day is as follows:

Activity	School	Homework	Sleep	Play	Other
Number of hours	8	3	7	4	2

Draw a bar graph to represent it.

10. The weights of 30 girls are recorded as shown in the following table:

Weight (in kg)	60	55	65	57	58
Number of girls	7	11	3	2	7

Find their mean weight.

11. The expenditure of a school on various activities is shown in the below table.

Activities	Expenditure (in ₹ 10,000)
Renovation	90
Furniture	45
Library books	25
Teachers' salary	95
Playway items	15

Draw a bar graph to represent the given data.

12. The main source of energy used by each house in a locality is listed below:

Source of energy	Electricity	Gas	Solar	Oil
Number of houses	37	8	10	5

Represent the above data by a bar graph.

Answers to Worksheet

1. a. iv b. ii c. i
2. a. Raw data b. Range c. $\frac{x_1 + x_2 + \dots + x_n}{n}$ d. 4.25
5. 39.55 6. a. Highest–97, Lowest–49 b. 48 c. 78
7. 16.5 10. 58