PRACTICE QUESTIONS
CLASS – VII: CHAPTER – 3
DATA HANDLINGS

1. A batsman scored the following number of runs in six innings:
36, 35, 50, 46, 60, 55
Calculate the mean runs scored by him in an inning.

2. Ashish studies for 4 hours, 5 hours and 3 hours respectively on three consecutive days. How many hours does he study daily on an average?

3. Find the mean of first five natural numbers.

4. Find the mean of first six odd natural numbers.

5. Find the mean of first seven even natural numbers.

6. Find the mean of first five prime numbers.

7. Find the mean of first six multiples of 5.

8. Find the median of first 15 odd numbers.

9. Find the median of first 10 even numbers.

10. Find the median of first 50 whole numbers.

11. Find the median of 3, 11, 7, 2, 5, 9, 9, 2, 10.

12. Find the median of 9, 25, 18, 15, 6, 16, 8, 22, 21.

13. The ages in years of 10 teachers of a school are:
32, 41, 28, 54, 35, 26, 23, 33, 38, 40
(i) What is the age of the oldest teacher and that of the youngest teacher?
(ii) What is the range of the ages of the teachers?
(iii) What is the mean age of these teachers?

14. A cricketer scores the following runs in eight innings: 58, 76, 40, 35, 46, 45, 0, 100.
Find the mean score.

15. The marks (out of 100) obtained by a group of students in a science test are
85, 76, 90, 85, 39, 48, 56, 95, 81 and 75.
Find the: (i) Highest and the lowest marks obtained by the students.
(ii) Range of the marks obtained.
(iii) Mean marks obtained by the group.

16. The enrolment in a school during six consecutive years was as follows:
1555, 1670, 1750, 2013, 2540, 2820
Find the mean enrolment of the school for this period.

17. The heights of 10 girls were measured in cm and the results are as follows:
135, 150, 139, 128, 151, 132, 146, 149, 143, 141.
(i) What is the height of the tallest girl? (ii) What is the height of the shortest girl?
(iii) What is the range of the data? (iv) What is the mean height of the girls?
(v) How many girls have heights more than the mean height.

18. Following are the margins of victory in the football matches of a league.
1, 3, 2, 5, 1, 4, 6, 2, 5, 2, 2, 2, 4, 1, 2, 3, 1, 1, 2, 3, 2,
6, 4, 3, 2, 1, 1, 4, 2, 1, 5, 3, 3, 2, 3, 2, 4, 2, 1, 2
Find the mode of this data.

19. Find the mode of 2, 6, 5, 3, 0, 3, 4, 3, 2, 4, 5, 2, 4

20. Find the mode of the numbers: 2, 2, 2, 3, 3, 4, 5, 5, 5, 6, 6, 8

21. Find the mode of the following data:
12, 14, 12, 16, 15, 13, 14, 18, 19, 12, 14, 15, 16, 15, 16, 16, 15,
17, 13, 16, 16, 15, 15, 13, 15, 17, 15, 14, 15, 13, 15, 14

22. Heights (in cm) of 25 children are given below:
168, 165, 163, 160, 163, 161, 162, 164, 163, 162, 164, 163, 160, 163, 16, 165,
163, 162, 163, 164, 163, 160, 165, 163, 162
What is the mode of their heights? What do we understand by Mode here?

23. Find the median of the data: 24, 36, 46, 17, 18, 25, 35

24. The scores in mathematics test (out of 25) of 15 students is as follows:
19, 25, 23, 20, 9, 20, 15, 10, 5, 16, 25, 20, 24, 12, 20
Find the mode and median of this data. Are they same?

25. The runs scored in a cricket match by 11 players is as follows:
6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15
Find the mean, mode and median of this data. Are the three same?

26. The weights (in kg.) of 15 students of a class are:
38, 42, 35, 37, 45, 50, 32, 43, 43, 40, 36, 38, 43, 38, 47
(i) Find the mode and median of this data.
(ii) Is there more than one mode?

27. Find the mode and median of the data: 13, 16, 12, 14, 19, 12, 14, 13, 14

28. Two hundred students of 6th and 7th class were asked to name their favourite colour so as to decide upon what should be the colour of their School Building. The results are shown in the following table. Represent the given data on a bar graph.

Favourite Colour	Red	Green	White	Yellow	Blue
Number of Students	43	19	55	49	34

Answer the following questions with the help of the bar graph:
(i) Which is the most preferred colour and which is the least preferred?
(ii) How many colours are there in all? What are they?

29. Following data gives total marks (out of 600) obtained by six children of a particular class. Represent the data on a bar graph.

Students	Ajay	Bali	Dipti	Geetika	Hari	Faiyaz
Marks Obtained	450	500	300	360	400	540

30. A mathematics teacher wants to see, whether the new technique of teaching she applied after quarterly test was effective or not. She takes the scores of the 5 weakest children in the quarterly test (out of 25) and in the half yearly test (out of 25):

Students	Ashish	Kavish	Mohan	Arun	Uday
Quarterly	10	15	12	9	20
Half Yearly	15	18	16	15	21

31. There are 6 marbles in a box with numbers from 1 to 6 marked on each of them.
(i) What is the probability of drawing a marble with number 2?
(ii) What is the probability of drawing a marble with number 5?

32. When a die is thrown, list the outcomes of an event of getting (i) (a) a prime number (b) not a prime number. (ii) (a) a number greater than 5 (b) a number not greater than 5.