

CH. 3 : DATA HANDLING

1. _____ is the most common representative value of a group of data.
2. The difference between the highest and lowest observation is called _____.
3. The observation that occurs most often is called _____.
4. _____ refers the value which lies in the middle of the data.
5. Find the mean of :-
 - a. First 5 mean even numbers
 - b. Odd Prime numbers below 10
 - c. First 5 prime numbers
6. Find the mean, median and mode of the following data.
35, 32, 35, 42, 38, 32, 31
7. Following are the number of members in 20 families in a village.
6, 8, 6, 3, 2, 5, 7, 8, 6, 5, 5, 7, 7, 8, 6, 6, 7, 7, 6, 5
Organize the data in a tabular form.
 - i) What is the smallest family size?
 - ii) What is the most common family size ?
8. When a die is thrown, what is the probability of getting
 - a. an even number
 - b. an odd number
 - c. zero
 - d. 5

9. A man with a monthly salary of ₹ 6400 plans his budget for a month as given below.

Item	Amount (in ₹)
Food	2100
Clothing	600
Education	1200
Miscellaneous	1500
Savings	1000

Represent the above data by a bar graph.

10. Given is the data of school going students (boy and girls)

Mode of Transport	Number of	Number of
	Boys	Girls
School bus	75	135
Walking	120	60
Bicycle	240	180
Other vehicle	150	90

Draw a double bar graph to represent the above data.

CH. 4 : SIMPLE EQUATIONS

1. Solve the following equations

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|----------------------------|--------------------------|
| a. $\frac{x}{3} - 5 = 2$ | b. $\frac{y}{2} - 3 = 8$ |
| c. $\frac{4x}{3} - 1 = -9$ | d. $3y - 2 = 1$ |
| e. $5 + 4(p-1) = 29$ | f. $44 - 5(p-1) = 4$ |
| g. $7 = 5(p-2)$ | h. $12 = 4 + 3(t+3)$ |

2. Construct 4 equations starting with
- a. $x = 3$ b. $x = -3$ c. $x = 1$ d. $x = -1$
3. If 5 is subtracted from a number and the result is multiplied by 10 the answer is 20. Find the number.
4. Raju has some money. If he gives one fifth of it to Raheem he is still left with ₹20. How much had he at first?
5. Maya says that she has 9 marbles more than 5 times the marble Roopa has. Maya has 49 marbles. How many marbles does Roopa have?
6. The teacher tells the class that the highest marks obtained by a student in her class is twice the lowest marks plus 7. The highest score is 97. What is the lowest score?
7. Length of a rectangle is twice its breadth. If perimeter is 54 cm. Find the length and breadth.

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