

MATHEMATICS
CLASS – VII
Chapter-03
Data Handling



1. Following are the margins of victory in the football matches of a league:
1,3,2,5,1,4,6,2,5,2,2,2,4,1,2,3,1,1,2,3,2,6,4,3,2,1,2,5,4,3,1,2,2,2,2,4,1,1,5,5,5,3,3,2,3,2,4,1,2,2,

Represent the above observations by tally marks and find the mode of this data.

2. The mean of three numbers is 10. The mean of other four numbers is 12. Find the mean of all numbers.
3. Find the mean of first six multiples of 6.
4. “Median of data may as may not be from the given data” Justify.
5. Calculate the mean, median and mode of the following data: 6,2,5,4,3,4,4,2,3,4
6. Find the mean and median of first nine composite numbers.
7. What is the probability of drawing out a vowel from English alphabet?
8. There are 6 cards in a box, numbered 1 to 6 marked on each of them
- (a) Find the probability of an even number card
 - (b) Find the probability of an odd number card
 - (c) Find the probability of composite number card

9. The temperature (in °C) in a city on 7 days of a certain week is recorded as follows

| Days | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-------------|-----|-----|-----|-----|-----|-----|-----|
| Temperature | 42 | 40 | 38 | 43 | 40 | 44 | 45 |

- (a) Find the range of temperature of the above data
 - (b) Find the mean temperature of the week
 - (c) On how many days, the temperature was less than the mean temperature?
10. The following data gives total marks (out of 600) obtained by six students of a particular class. Represent the data on a double bar graph.

| Student | Ajit | Rakhi | Deepali | Jayant | Radhika | Harshit |
|----------------------------------|------|-------|---------|--------|---------|---------|
| Marks obtained in English | 450 | 550 | 350 | 260 | 340 | 540 |
| Marks obtained in Hindi | 490 | 560 | 400 | 450 | 500 | 340 |

11. The given table shows the average intake of nutrients (in calories) by rural and urban groups in a particular year. Using a suitable scale draw a double bar graph to compare the given data

| Food stuff | Pulses | Fruits | Milk | Fish | Fats | Leafy Vegetables | Other vegetables |
|------------|--------|--------|------|------|------|------------------|------------------|
| Rural | 35 | 35 | 70 | 14 | 7 | 14 | 49 |
| Urban | 49 | 63 | 77 | 21 | 14 | 21 | 84 |