

Chapter 3 : Data Handling

- 1) Following are the weights (in kg) of 8 students of a class

48.5, 50, 44.5, 49.5, 50.5, 45, 51, 43

a) Find the mean weight.

b) What will be the mean weight if a student, whose weight is 62kg, is also included?

- 2) Find the arithmetic mean of the scores

8, 6, 10, 12, 1, 3, 4, 4. Find the range of the data.

- 3) Find the mean of the 1st three composite numbers.

- 4) The heights of 10 girls were measured in cm and the results were as follows.

143, 148, 135, 150, 128, 139, 149, 146, 151, 132

a) What is the height of the tallest girl?

b) What is the height of the shortest girl?

c) What is the range of the data?

d) Find the mean height ?

e) Find the number of girls whose heights are less than the mean height ?

- 5) Find the mean of the 1st ten natural numbers.

- 6) Two different states of India's exports of garments in the years 2000 to 2005 are given in the following table

Year	2000	2001	2002	2003	2004	2005
Kerala (in crores of Rs)	5	6	8	10	12	14
Karnataka (in crores of Rs)	10	11	9	12	8	13

(i) Draw a double bar graph to represent the data

(ii) What are the total earnings in the years 2002 and 2004 both the states separately?

- 7) Find the mode, mean and median of the scores

4, 5, 6, 7, 7, 8, 9, 13, 12, 8, 8, 9, 8, 10, 11

8) Marks obtained by two girls of VII A in final term exam (out of 100) as follows :

Subjects	English	Hindi	Mathematics	Science	Social
Sunita	75	80	92	84	62
Vandhana	72	84	92	65	70

1) Draw a double bar graph to represent the following data.

2) Who did better in the examination

9) The number of hours of television programme watched on Sunday in 40 houses were as follows

9	5	4	3	4	4	9	9	8	9
9	5	10	9	10	10	10	4	9	6
7	9	5	9	9	8	6	7	9	6
6	5	9	9	8	7	8	10	10	9

1) Organise the following numbers in a tabular form.

2) Estimate the mean, median and mode of this distribution.

3) What is the range of the data?

10) A bag contains 3 red and 2 blue marbles. A marble is drawn at random. What is the probability of drawing a blue marble.

11) A box of 600 electric bulbs contains 12 defective bulbs. One bulb is taken out at random from this box. What is the probability that it is a non defective bulb ?

12) What is the probability of getting

(i) an even number

(ii) a multiple of 3

(iii) a number 3 or 4

(iv) an odd number

(v) a number between 3 and 6