

WORK SHEET
SUBJECT- Maths
Chapter 3: Data Handling

CLASS- VII**Q1. Define the terms-**

- a) data b) frequency of an observation c) mean of a data
 d) median of a data e) mode of a data f) bar graph g) double bar graph

Q2. Prepare the frequency table for the following data:

5,2,1,3,4,4,5,6,2,2,4,5,5,6,2,2,4,5,5,1.

Q3. Find the mean of first five natural numbers.**Q4. Find the mean of first five prime numbers.****Q5. The ages (in years) of 50 players of a school are given below:**

Age (yr)	14	15	16	17	18
No. of players	15	14	10	8	3

Find the mean age.

Q6. The weights of 10 students (kg) are:

40,52,34,47,31,35,48,41,44,38,42.

Find the median weight.

Q7. Calculate the median for the following data:

Marks	17	20	22	15	30	25
No. of students	5	9	4	3	10	6

Q8. Find the median of first 10 even numbers.**Q9. The ages (in years) of 11 cricket players are given below:**

28,34,32,41,36,32,32,38,32,40,31.

Find the mode of ages.

Q10. Daily wages of 45 workers in a factory are given below:

Daily wages (in Rs.)	100	125	150	175	200
No. of workers	6	8	9	12	10

Find the median, mean and mode.

Weight in kg	48	50	52	54	58
No. of players	4	3	2	2	1

Find the median and mean weights.

Using empirical formula, calculate its mode. [Note: Empirical formula for calculating mode is
Mode = 3

Median – 2 Mean]

Q12. The following table shows the no. of scooters produced by a company during 6 consecutive years. Draw a bar graph to represent.

Year	2001	2002	2003	2004	2005	2006
No. of scooters	11000	14000	12500	17500	15000	24000

Q13. A coin is tossed 100 times and head is obtained 59 times. On tossing a coin at random, find the probability of getting :

- a) A head.
- b) A tail.

Q14. A dice is thrown 200 times and the out comes are noted as shown below:

Outcome	1	2	3	4	5	6
Frequency	21	30	42	38	29	40

When a dice is thrown at random, find the probability of getting:

- a) 5
- b) 3
- c) 4
- d) 6.

Q15. 50 seeds were selected at random from each of 5 bags of seeds and were kept under standardised conditions favourable to germination. After 20 days the no. of seeds which had germinated in each collection were counted and recorded as follows:

Bag	1	2	3	4	5
No. of seeds germinated	40	48	42	39	41

What is the probability of germination of:

- a) More than 40 seeds in a bag?
- b) 49 seeds in a bag?
- c) More than 35 seeds in a bag?
- d) Atleast 40 seeds in a bag?
- e) Atmost 40 seeds in a bag?

Q16. The distance covered by 10 athletes in 1 minute in a sprint race of 400 m is :

299,248,315,320,286,370,388,379,295,300.

- What is the maximum distance covered in 1 minute?
- What is the minimum distance covered in 1 minute?
- What is the range of the data?
- What is the mean of the data?
- How many athletes have covered distance more than the mean distance?

Q17. The following table show the no. of boys and girls who have participated in various events conducted by a Rotary club of a city. Draw a double bar graph to represent the given data using an appropriate scale:

Event	Dance	Drama	Sports	Rangoli	Singing
Boys	400	480	670	220	710
Girls	580	330	590	610	720

Q18. Given below is the marks (M.M-100) obtained by Samaira (class VII) in First and Second Terminal Exam 2014. Represent it using a double bar graph.

Subject	English	Hindi	Maths	Science	So. Science	Sanskrit
1 st term	92	93	98	91	99	100
2 nd term	98	97	100	100	99	100.
