

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2023-24

CLASS: VII SUBJECT: MATHEMATICS DATE: 18-06-2023

LESSON:3 – DATA HANDLING

1. The difference between the highest and the lowest observation is called the ----- of the data (Ans: Range)
2. The ----- is always one of the given data (Ans: Mode)
3. The ----- is obtained by dividing the sum of all observations by the number of observations. (Arithmetic mean)
4. The ----- of a set of data is the observation that occurs most often. (Ans: Mode)
5. The money spent on bus fare on a day by 10 workers in a factory is given below:
₹15, ₹12, ₹8, ₹7, ₹10, ₹6, ₹9, ₹4, ₹5, ₹10
Find a) Range b) Arithmetic mean (Ans: a)11 b) ₹8.6)
6. Find the mean of the first 10 even numbers (Ans:11)
7. The profit earned (in lakhs) by a company during 8 consecutive years is as follows:
15,16,16,17,19,18,19,20
Find the average profit of the company for this period (Ans: 17.5 lakhs)
8. The weekly wages (in ₹) of 11 employees in a restaurant are as follows:
₹525, ₹550, ₹750, ₹775, ₹650, ₹525, ₹600, ₹550, ₹525, ₹700, ₹625.
Find the mode and median of the data. (Ans: Mode-₹525, Median-600)
9. The heights of 7 different types of trees (in feet) are given below. Find the median of the data
10,25,30,10,40,12,30 (Ans:25)
10. The number of workers employed month wise in the work site of a construction company for 11 months is given below:
43,52,56,47,53,60,45,40,52,48,50
Find the mean, median and mode of the given data. Are they equal (Ans: Mean-49.64, Median-50, Mode-52)

11. The marks obtained by 7 students in an examination (out of 100) are:
80,87,81,92,87,87,83

Find the mean, median and mode of the data

(Ans: Mean-85.3, Median-87, Mode-87)

12. Find the mean of the first 6 prime numbers: (Ans: 6.83)

13. Number of new students enrolled in the primary classes of a private school for a particular academic year is given below. Represent the data on a bar graph.

| | | | | | |
|-----------------|-----|----|----|----|-----|
| Class | 1 | 2 | 3 | 4 | 5 |
| No. of children | 120 | 60 | 75 | 90 | 105 |

14. The number of boys and girls studying in 7th standard is given below. Represent the data using a double bar graph.

| | | | | | | |
|--------------|-----|-----|------|----|----|----|
| Class | VI | VII | VIII | IX | X | XI |
| No of boys | 150 | 120 | 100 | 90 | 80 | 60 |
| No. of girls | 100 | 90 | 80 | 80 | 60 | 40 |
