Sub: Arithmetic   **Class: 7**   **Date: 22.03.21**

Duration: 40 min   **Worksheet 20**   **Full Marks: 15**

FREQUENCY DISTRIBUTION AND MEAN

Choose the Correct options:

1. The range of the data: 6,14,20,16,6,5,4,18,25,15, and 5 is

   A. 4   B. 21   C. 25   D. 20

2. The mean of odd numbers between 1 and 10 is

   A. 3   B. 5   C. 7   D. 9

3. The difference between the highest and the lowest value of the observations in a data is called:

   A. Mean   B. Range   C. Total frequency   D. Sum of observation

4. Data in an observation vary from – 30 to + 80. The range is

   A. 50   B. 110   C. -50   D. -110

5. The number of times a particular observation occurs in a given data is called:

   A. Its frequency   B. Its range   C. Its mean   D. None of these

6. Tally marks are used to find which of the following?

   A. Frequency   B. Lower limits   C. Upper limits   D. Class marks

7. The arithmetic mean of a set of 10 numbers is 20. If each number is first multiplied by 2 and then increased by 5, then what is the mean of new numbers?

   A. 20   B. 25   C. 40   D. 45

8. The mean of 25 observations is 36. The mean of first 13 observations is 32 and that of last 13 observations is 39. What is the value of 13th observation?

   A. 20   B. 23   C. 32   D. 40

9. The average age of 06 persons living in a house is 23.5 years. Three of them are adults and their average age is 42 years. The difference in ages of the three minor children is same. What is the mean of the ages of minor children?

   A. 3 years   B. 4 years   C. 5 years   D. 6 years

10. In a class of 45 students a boy is ranked 20th. When two boys joined, his rank was dropped by one. What is his new rank from end?

    A. 25th   B. 26th   C. 27th   D. 28th

11. The mean age of combined group of men and women is 25 years. If the mean age of group of men is 26 and that of group of women is 21, then percentage of men and women in the group respectively is:

    A. 60, 40   B. 80, 20   C. 30, 70   D. 50, 50

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12. Sum of mode and median of the

data 12, 15, 11, 13, 18, 11, 13, 12, 13

     A. 26   B. 31   C. 36   D. 25

13. The arithmetic mean (average) of the first ten whole numbers is

     A. 5.5   B. 5   C. 4   D. 4.5

14. The mean of 9 observations is 16. One more observation is included and the new mean becomes 17. The 10th observation is

     A.18   B.26   C.30   D.7

15. Four friends went shopping for school clothes. Kim bought 5 shirts, Jill bought 4 shirts, Leslie bought 6 shirts, and Crystal bought only 1 shirt. Which answer choice represents the mean of the shirts purchased?

     A.4   B.3   C.6   D.2