

Test Paper 2 Solutions

Code: 2026/DataHandling/C7/02

1. The factors of 10 are 1, 2, 5, 10. Mean of the factors:

$$\frac{1 + 2 + 5 + 10}{4} = \frac{18}{4} = 4.5$$

4.5

2. Arrange the data in ascending order: 17, 18, 24, 25, 35, 36, 46. The median is the middle value:

$$\text{Median} = 25$$

25

3. The difference in units is $7 - 4 = 3$. The difference in students:

$$3 \times 5 = 15$$

15

4. Mean score:

$$\frac{38 + 70 + 48 + 34 + 42 + 55 + 63 + 46}{8} = \frac{396}{8} = 49.5$$

49.5

5. The sector angle for Cricket:

$$\frac{10}{40} \times 360^\circ = 90^\circ$$

90

6. The mode is the number that appears most frequently. The number 4 appears 4 times. 4

7. Mean:

$$\frac{x + (x + 3) + (x + 6) + (x + 9) + (x + 12)}{5} = \frac{5x + 30}{5} = x + 6$$

$x + 6$

8. The highest value:

$$16 + 24 = 40$$

40

9. Tallies are usually marked in groups of 5. 5

10. Arrange the data in ascending order: 2, 2, 3, 5, 7, 9, 9, 10, 11. The median is the middle value:

$$\text{Median} = 7$$

7

11. If the probability of an event is 0, the event is impossible. Impossible

12. To find the average height of a class, we use the mean. Mean

13. Number of observations:

$$\frac{240}{20} = 12$$

12

14. In a pie chart, the sum of all central angles is 360 degrees. 360

15. If each observation is increased by 5, the mean increases by 5. Increases by 5

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