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Practice Set 1

Mathematics

STATISTICS

Topics : 1. Mean, Median and Mode for ungrouped data

DDCE final exam weightage of this topic : 1 Question (2 Marks)

Total Practice sets of this topic : $2 \text{ (sets) } \times 20 \text{ (questions) } = 40 \text{ Questions}$

Total Practice tests of this topic : $2 \text{ (exams) } \times 20 \text{ (questions) } = 40 \text{ Questions}$

Offline / Online during lecture : $4 \text{ (lectures) } \times 50 \text{ (Questions) } = 200 \text{ Question}$

Total 240 Questions to
practice this topic



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Section 2 : 1. Mean, Median and Mode for ungrouped data

1. The mean of the numbers 7, 10, 13, 16, and 19 is:
- (A) 12
(B) 13
(C) 14
(D) 15
2. The mean of five numbers is 20. If four of the numbers are 18, 22, 17, and 21, what is the fifth number?
- (A) 22
(B) 23
(C) 24
(D) 25
3. The mean of 9 numbers is 15. If one number 18 is removed, what is the new mean?
- (A) 14
(B) 14.25
(C) 14.5
(D) 15
4. If each observation in a dataset is increased by 5, then the mean:
- (A) Increases by 5
(B) Decreases by 5
(C) Remains the same
(D) Gets doubled
5. The mean of 4 numbers is 40. If a new number 50 is added, what is the new mean?
- (A) 41
(B) 42
(C) 43
(D) 44
6. The median of the dataset {5, 9, 12, 18, 25} is:
- (A) 9
(B) 12
(C) 18
(D) 25
7. Find the median of the numbers {7, 10, 13, 17, 20, 24}.
- (A) 14
(B) 15
(C) 16
(D) 17
8. The median of {6, 8, 12, 15, 20, 25, 30} is:
- (A) 12
(B) 15
(C) 20
(D) 25
9. The median of {2, 4, 6, 8, 10, 12} is:
- (A) 6
(B) 7
(C) 8
(D) 9
10. If a dataset has an even number of elements, the median is found by:
- (A) The smallest value
(B) The middle value
(C) The mean of the two middle values
(D) The largest value

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Section 2 : 1. Mean, Median and Mode for ungrouped data

11. The mode of {3, 5, 7, 7, 9, 11} is:

- (A) 3
- (B) 5
- (C) 7
- (D) 9

12. The mode of {4, 4, 5, 6, 6, 6, 7} is:

- (A) 4
- (B) 5
- (C) 6
- (D) 7

13. A set of 10 numbers has a mean of 50.
What is their total sum?

- (A) 450
- (B) 500
- (C) 550
- (D) 600

14. The mean of 10 numbers is 12. If 9 numbers are 10, 11, 12, 13, 9, 14, 8, 15, and 7, what is the 10th number?

- (A) 16
- (B) 17
- (C) 18
- (D) 19

15. The mean of 7 numbers is 8. If 6 numbers are 5, 7, 9, 10, 6, and 8, what is the 7th number?

- (A) 10
- (B) 11
- (C) 12
- (D) 13

16. The mode of {2, 2, 4, 4, 6, 6} is:

- (A) 2
- (B) 4
- (C) 6
- (D) No mode

17. Find the median of the data set: 21, 23, 25, 27, 29.

- (A) 23
- (B) 24
- (C) 25
- (D) 26

18. Find the median of the data set: 6, 12, 18, 24, 30, 36, 42, 48.

- (A) 21
- (B) 24
- (C) 27
- (D) 30

19. The mean of 9 numbers is 10. If 8 numbers are 8, 9, 10, 11, 7, 12, 6, and 13, what is the 9th number?

- (A) 14
- (B) 15
- (C) 16
- (D) 17

20. The mean of 3 numbers is 12. If 2 numbers are 10 and 14, what is the 3rd number?

- (A) 10
- (B) 11
- (C) 12
- (D) 13

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