

APTITUDE QUIZ

1. Ajit has a certain average for 9 innings. In the tenth innings, he scores 100 runs thereby increasing his average by 8 runs. His new average is:

- A. 20
- B. 21
- C. 28
- D. 32

2. The average of the first five multiples of 9 is:

- A. 20
- B. 27
- C. 28
- D. 30

3. The speed of the train going from Nagpur to Allahabad is 100 km/h while when coming back from Allahabad to Nagpur, its speed is 150 km/h. find the average speed during whole journey.

- A. 125 km/hr
- B. 75 km/hr
- C. 135 km/hr
- D. 120 km/hr

4. Find the average of first 97 natural numbers.

- A. 47
- B. 37
- C. 48
- D. 49
- E. 49.5

5. The average age of three boys is 15 years. If their ages are in ratio 3:5:7, the age of the youngest boy is

- A. 21 years
- B. 18 years
- C. 15 years
- D. 9 years
- E. 12 years

6. The average of a group of men is increased by 5 years when a person aged of 18 years is replaced by a new person of aged 38 years. How many men are there in the group?

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

7. In a boat there are 8 men whose average weight is increased by 1 kg when 1 man of 60 kg is replaced by a new man. What is weight of new comer?

- A. 70
- B. 66
- C. 68
- D. 69

8. The average of 25 results is 18. The average of first 12 of those is 14 and the average of last 12 is 17. What is the 13th result?

- A. 74
- B. 75
- C. 69
- D. 78

9. A train covers the first 16 km at a speed of 20 km per hour another 20 km at 40 km per hour and the last 10 km at 15 km per hour. Find the average speed for the entire journey.

- A. 24 km
- B. 26 km
- C. 21 km
- D. $23\frac{23}{59}$ km

10. The average monthly salary of 660 workers in a factory is Rs. 380. The average monthly salary of officers is Rs. 2100 and the average monthly salary of the other workers is Rs. 340. Find the number of other workers.

- A. 645
- B. 650
- C. 640
- D. 642

11. The average marks of four subjects is 120. If 33 was misread as 13 during the calculation, what will be the correct average?

- A. 122
- B. 120
- C. 125
- D. 121

12. Students of three different classes appeared in common examination. Pass average of 10 students of first class was 70%, pass average of 15 students of second class was 60% and pass average of 25 students of third class was 80% then what will be the pass average of all students of three classes?

- A. 74%
- B. 75%
- C. 69%
- D. 72%

13. A man travels equal distances of his journey at 40, 30 and 15 km/h. respectively. Find his average speed for whole journey.

- A. 24
- B. 25
- C. 27
- D. 28

14. Five years ago, the average age of A, B, C and D was 45 yr. with E joining them now, the average of all the five is 49 yr. How old is E?

- A. 25 yr
- B. 40 yr
- C. 45 yr
- D. 64 yr

15. Average of 80 numbers are 42. When 5 more numbers are included, the average of 85 numbers become 45. Find the average of 5 numbers.

- A. 82
- B. 89
- C. 93
- D. 98

16. Find the average increase rate, if increase in the population in the first year is 30% and that in the second year is 40%.

- A. 41
- B. 56
- C. 40
- D. 38
- E. 39

17. One-fourth of certain journey is covered at the rate of 25 km/h, one-third at the rate of 30 km/h and the rest at 50 km/h. Find the average speed for the whole journey.

- A. $600/53$ km/h
- B. $1200/53$ km/h
- C. $1800/53$ km/h
- D. $1600/53$ km/h
- E. None of these

18. A batsman makes a score of 270 runs in the 87th inning and thus increase his average by a certain number of runs that is a whole number. Find the possible values of the new average.

- A. 98
- B. 184
- C. 12
- D. All of these
- E. None of these

19. There are five boxes in cargo hold. The weight of the first box is 200 kg and the weight of the second box is 20% higher than the weight of the third box, whose weight is 25% higher than the first box's weight. The fourth box at 350 kg is 30% lighter than the fifth box. Find the difference in the average weight of the four heaviest boxes and the four lightest boxes.

- A. 51.5 kg
- B. 75 kg
- C. 37.5 kg
- D. 112.5 kg
- E. None of these

20. A school has only four classes that contain 10, 20, 30 and 40 students respectively. The pass percentage of these classes are 20%, 30%, 60% and 100% respectively. Find the pass % of the entire school.

- A. 56%
- B. 76%
- C. 34%
- D. 66%
- E. None of these

ANSWERS

1. C

2. B

3. D

4. D

5. D

6. B

7. C

8. D

9. D

10. A

11. C

12. D

13. A

14. C

15. C

16. A

17. C

18. D

19. B

20. D