

AVERAGE

1. Find the average of the following set of scores 253, 124, 255, 534, 836, 375, 101, 443, 760.

- a) 427 b) 413 c) 141 d) 490 e) none of the above

2. Find the average of the following set of scores, 124, 856, 331, 227, 963, 338, 259 and 662.

- a) 570 b) 660 c) 414 d) 350 e) None of the above

3. What will be the average of even numbers between 11 to 63 ?

- a) 37.5 b) 47 c) 42 d) 37

4. Find average of all prime numbers between 60 and 90

- a) 72 b) 74.7 c) 74 d) 73.6

5. Calculate the average of the cubes of first five natural numbers.

- a) 55 b) 65 c) 45 d) 35 e) None of the above

6. The average of 8 numbers is 14 The average of 6 of these numbers is 16. What is the average of the remaining two numbers.?

- a) 12 b) 6 c) 8 d) 10

7. Average age of 5 boy is 16 yr, of which that of 4 boys is 16 yr 3 months. The age of the 5th boy is .

- a) 15 yr b) 15 yr 6 month c) 15 Yr 4 months d) 15 Yr 2 months

8. If the algebraic sum of deviations of 20 observations measured from 23 is 70, mean of these observations would be.

- a) 24 b) 25 c) 26 d) 27 e) None of the above

9. Eight consecutive numbers are given. If the average of the two numbers that appear in the middle is 6, then the sum of the eight given numbers is.

- a) 36 b) 48 c) 54 d) 64

10. The average of 4 consecutive even numbers is 27. What is the greatest number?

- a) 28 b) 26 c) 32 d) 30

11. A businessman purchased 30 TV sets in Rs. 300000. If the average cost of 15 TV sets is Rs. 9000, then find out the average cost of remaining TV sets.

- a) Rs. 20000 b) Rs. 12000 c) Rs. 11000 d) Rs. 10000 e) None of the above

12. The average age of 30 girls is 13 yr. The average of first 18 girls is 15 yr. Find out the average age of remaining 12 Girls.

- a) 12yr b) 10yr c) 16yr d) 10.5yr e) None of the above

13. The average of four consecutive numbers A,B,C and D is 49.5 What is the product of B and D?

- a) 2499 b) 2352 c) 2450 d) 2550

14. The average height of the basketball team A is 5 ft 11 inches and that of B is 6ft 2 inches. There are 20 players in team A and 18 players in team B The overall average height is.

- a) 72.42 inches b) 72 inches c) 70.22 inches d) 70 inches.

15. The average of 50 numbers is 38. If the two numbers 45 and 55 are not considered, what will be the average of remaining numbers?

- a) 36.5 b) 37 c) 37.5 d) 37.52

16. Average weight of 19 men is 74 kg and the average weight of 38 women is 63 kg. What is the average weight (rounded off to the nearest integer) of all the men and the women together?

- a) 59 kg b) 65 kg c) 69 kg d) 67 kg e) 71 kg

17. A cricketer has a mean score of 60 runs in 10 innings. Find out how many runs are to be scored in the eleventh innings to raise the mean score to 62?

- a) 80 b) 81 c) 83 d) 82

18. The mean weight of 34 students of a school is 42 kg. If the weight of the teacher be included, the mean rises by 400 g. Find the weight (in kg) of the teacher.

- a) 66 b) 56 c) 55 d) 57

19. The average weight of 21 boys was recorded as 64 kg. If the weight of the teacher was added, the average increased by one kg. What was the teacher's weight?

- a) 86 kg b) 64 kg c) 72 kg d) 98 kg e) None of the above

20. The average age of 14 girls and their teacher's age is 15 yr. If teacher's age is excluded then the average reduced by 1. What is the teacher's age?

- a) 29 yr b) 35 yr c) 32 yr d) 30 yr

21. The average of six observations is 12. The average decreases by 1 When a new observation is included. What is the seventh observation?

- a) 1 b) 3 c) 5 d) 6

22. The average age of 5 members of a family is 25 yr. If the servant of the family is included, the average age increases by 40% What is the age of servant?

- a) 85 yr b) 90yr c) 73yr d) 55yr

23. The average age of 4 members of a family is 25 yr. If head of the family is included in this group. then average age increases by 20% Find out the age of the head.

- a) 45yr b) 50yr c) 55yr d) 60yr

24. The average weight of 10 women is increased by 1 kg if 2 women of 42 kg and 38 kg are replaced by 2 men. Find the average weight of both the men.

- a) 46 kg b) 45kg c) 42kg d) 44 kg e) None of the above

25. The average age of a committee of 11 persons increases by 2 yr When 3 men of 32 yr, 34 yr and 33yr are replaced by 3 women. What will be the average age of those 3 women?

- a) 40yr b) $41\frac{1}{3}$ yr c) 41 yr d) $40\frac{1}{3}$ yr e) None of the above

26. The average age of 30 women decreases by 3 months if a new person Priyanka is included in place of 25 yr old woman. Calculate the age of Priyanka.

- a) 17.5yr b) 20yr c) 30yr d) 22yr e) None of the above

27. The average temperature of Delhi for four days in a particular month is 48°C . If the average temperature of second and third days is 34°C and the ratio of the temperatures of first and fourth days is 9:11, then find out the temperatures of first and fourth days.

- a) 45.5°C , 49.9°C b) 32.4°C , 39.8°C c) 43.4°C , 86.2°C d) 52.4°C , 46.8°C
e) Non of the above

28. The mean temperature of Monday to Wednesday was 37°C and of Tuesday to Thursday was 34°C . If the temperature on Thursday was $\frac{4}{5}$ that of Monday, the temperature of Thursday was

- a) 35.5°C b) 34°C c) 36.5°C d) 36°C

29. The average of 11 numbers is 36. Out of these 11 numbers, the average of 9 numbers is 34. If the ratio of remaining two numbers is 2:3, find out the smaller number.

- a) 18 b) 36 c) 54 d) 48 e) None of the above.

30. Roshan bought 5 pants at Rs. 25 each. 10 shirts at Rs. 50 each and 15 ties at Rs. 35 each. Find the average price of all the articles.

- a) Rs 38.33 b) Rs 45 c) Rs 60 d) Rs 45.33 e) None of the above

31. A car travels a certain distance from town A to town B at the speed of 42 km/h and from town B to town A at a speed of 48 km/h. What is the average speed of the car?

- a) 45 km/h b) 46 km/h c) 44 km/h d) Cannot be determined e) None of the above

32. A man divides his total route of journey into three equal parts and decides to travel the three parts with speeds of 15 km/h, 10 km/h and 5 km/h. respectively. Find his average speed of during journey.

- a) 2.28 km/h b) 9 Km/h c) 14 km/h d) 8.18 km/h e) None of the above

33. Mr. Budda travels in his car and covers $\frac{1}{4}$ part of his journey with 8 km/h, $\frac{3}{5}$ part with 6 km/h and remaining $\frac{3}{20}$ part with a speed of 10 km/h. Find out his average speed during the whole journey.

- a) 6.83. km/h b) 9 km/h c) 4 km/h d) 8.5 km/h e) None of the above

34. A person covers 9 km with a speed of 3km/h, 25 km with a speed of 5km/h and 30 km with a speed of 10 km/h. Find out the average speed of person.

- a) $5\frac{9}{11}$ km/hr b) $11\frac{5}{9}$ km/hr c) $9\frac{5}{11}$ km/hr d) $5\frac{5}{11}$ km/hr e) None of the above

35. The average salary of the entire staff in an office is R 500 per day. The average salary of officers is Rs 750 and that of non-officers is Rs 250. If the number of officers is 15, then find the number of nonofficers in the office.

- a) 25 b) 10 c) 15 d) 20