

Average Set 1

1. The average score of a cricketer in three matches is 22 runs and in two other matches, it is 17 runs. Find the average in all the five matches.
(a) 20 (b) 19.6 (c) 21 (d) 19.5
2. The average of 8 numbers is 18. The average of 6 of these numbers is 15. The average of the remaining two numbers is
a) 30 b) 20 c) 27 d) 24
3. Find the average of the first 97 natural numbers
(a) 47 (b) 37 (c) 48 (d) 49
4. If the average of three numbers is 135 and the difference between others is 25 then find the lowest number...
a) 110 b) 135 c) 160 d) 115
5. A man covers a half distance at the rate of at 30 kmph and another half at 40 kmph. Find his average speed of man during the whole journey?
a) 35.5km/h b) 37km/h c) 35km/h d) None
6. If the average marks of a class of 50 students in English is 25 and the average marks of the top 20 students is 40, then the average marks of the rest of the students is
a) 20 b) 30 c) 15 d) 10
7. The mean of 100 items was found to be 30. If at the time of calculation two items were wrongly taken as 32 and 12 instead of 23 and 11. What is the correct mean?
a) 29 (b) 30.5 (c) 34.9 (d) None of these
8. Average age of 10 members of a group now is the same as it was 4 years ago because of the replacement of an old man by a younger man. Find the difference between the ages of the old 1man and the young man.
(a) 40 (b) 30 (c) 25 (d) Can't determine
9. The average weight of 45 students in a class is 52 kg. 5 of them whose average weight is 48 kg leave the class and another 5 students whose average weight is 54 kg join the class. What is the new average weight (in kg) of the class
(a) 52.6 (b) $52 \frac{2}{3}$ (c) $52 \frac{1}{3}$ (d) None
10. A student finds the average of 10 positive integers. Each integer contains two digits. By mistake, the boy interchanges the digits of one number say ba for ab. Due to this, the average becomes 3.6 less than the previous one. What was the difference of the two digits a and b?
a) 8 b) 6 c) 2 d) 4
11. The average of 6 numbers is 30. If the average of first four is 25 and that of last three is 35, the fourth number is
a) 35 (b) 30 (c) 25 (d) 40
12. The average marks of 24 candidates taking an examination are 42. Find what the average marks would have been if one candidate, who scored 88, had been absent.
(a) 40 (b) 50 (c) 30 (d) 60
13. The average weight of 19 men in a ship is increased by 3.5kg when one of the men ,who weight 79kg, is replaced by a new man . Find the weight of the new man up to 2 decimal places
(a) 105.75 (b) 107.55 (c) 145.50 (d) 140.50
14. The average mark obtained by 22 candidates in an examination is 45. The average of the first ten is 55 while that of the last eleven is 40. The marks obtained by the 11th candidate is
a) 0 b) 3 c) 4 d) None of these.
15. There are 30 students in a class. The average age of the first 10 students is 12.5 years. The average age of the next 20 students is 13.1 years. The average age of the whole class
(a) 12.5 (b) 12.7 (c) 12.8 (d) 12.9

Average Set 1

16. The average age of a family of 6 members is 22 years. If the age of the youngest member is 7 years, what was the average age of the family at the birth of the youngest member?

- (a) 15 (b) 18 (c) 21 (d) 12

17. The average weight of A, B & C is 84 kg. When D joins this group, the average weight becomes 80 kg. If another man E, Whose weight is 3 kg, more than that of D replaces A, the average weight of B, C, D & E becomes 79 kg. Find out the weight of A

- a) 80 kg b) 75 kg c) 85 kg d) 70 kg

18. Average temp. Of Monday, Tuesday, wed and Thursday was 38 degree C. And of Tuesday, Wednesday, Thursday and Friday was 40 degree C. Temperature on Monday was 30. Then what was temp on Friday?

- a) 38 (b) 36 (c) 48 (d) 46

19. The average salary of 3 workers is 95 Rs. per week. If one earns Rs.115 and second earns Rs.65 how much is the salary of the 3rd worker.

- a) 75 (b) 85 (c) 95 (d) 105

20. If the average score of 15 boys in a class is 85 and the average score of 10 girls in the same class is 95, what is the class average score?

- (a) 90 (b) 89 (c) 88 (d) 81

21. In a group of 15 persons, the average weight is 63.25 kg. A new person joined the group and the average weight decreased to 62.875 kg.

Find the weight of the new person.

- (a) 56.25kg (b) 58.5 kg
(c) 57.25kg (d) 58.65kg

22. The sum of six consecutive odd nos. is 888. What is the average of the nos.?

- (a) 147 (b) 148 (c) 149 (d) 146

23. An investor in shares makes a profit of Rs.920 in his fifth investment, thereby increasing his average profit of first four investments by Rs.14. His average profit over the first four investments is

- a) 21 (b) 11 (c) 13 (d) None of these

24. The average of certain number of terms is equal to 18. When the number 100 is added to the terms, the average becomes 20. Find the initial number of terms.

- a) 60 (b) 50 (c) 40 (d) 80

25. Find the average of the first 97 natural numbers

- (a)47 (b)37 (c)48 (d)49

26. The average monthly income of P and Q is \$5050. The average monthly income of Q and R is \$6250 and the average monthly income of P and R is \$5200. The monthly income of P is:

- a)\$3500 b)\$4000 c)\$4050 d)\$ 5000

27. A housewife has to pick one watermelon from the vegetable cart containing a dozen watermelons with an average weight of 2.5 kg per watermelon. If it is known that the lightest of the watermelons weighs not less than 1 kg and the heaviest not more than 6 kg, then which of the following could not be the average weight of the watermelon (all in kg) in the cart after the house wife has taken her pick?

- (a) 2.24 (b) 2.31 (c) 2.8 (d) 2.19

28. There were 35 students in a hostel. If the number of students increases by 7, the expenses of mess increase by Rs 42 per day while the average expenditure per head diminishes by Re 1. Find the original expenditure of the mess

- (a) Rs 320 (b) Rs 420 (c) Rs 160 (d) Rs 158

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29. Ravi went to Kanpur from Lucknow by his four wheeler. During the journey he had to use the spare wheel (i.e., stepney). Thus he finished his 160 km journey. The average distance covered by the wheels of his car is:

(a) 40 km (b) 120 km (c) 128 km (d) 48 km

30. The average of n numbers is 32. If $\frac{3}{4}$ of the numbers are increased by 4 each and the remaining is decreased by 6 each, then what is the new average?

(a) 32 (b) 32.5 (c) 33.5 (d) 34.5

31. A boy scores an aggregate of 70% marks, scoring an average of 63% in 4 of the papers and 77% in the other papers. How many papers were there totally

(a) 8 (b) 5 (c) 10 (d) 7

32. A camp is arranged for 35 persons with sufficient food stuff to last for 10 days. It instead of 35 person, 50 persons join the camp, the food will last for

(a) 8 days (b) 7 days
(c) 6 days (d) 5 days

33. The batting average for 40 innings of a cricket player is 50 runs. His highest score exceeds his lowest score by 172 runs. If these two innings are excluded, the average of the remaining 38 innings is 48 runs. The highest score of the player is:

(a) 170 runs (b) 174 runs
(c) 172 runs (d) 165 runs

34. Last year Sahara, Tata, Singhania and Birla each has 250 industries. This year everyone has sold out 10 factories due to the recession of the economy and poor turnout. The average number of industries which each of them now has :

a) 260 b) 240 c) 25 d) none of these

35. 6 months ago the present age of the student of class 10th was 14 years. 6 month hence the age of the same students will be:

a) 15 yrs b) $15\frac{1}{2}$ yrs c) 20 yrs d) none

36. Set of 30 no's, average of 1st 10 no's=average of last 20 no's. The sum of last 20 no's is

a) sum of 1st ten numbers
b) 2*sum of first ten numbers
c) 2*sum of last ten numbers
d) Can't be determined

37. The average age of a family of 6 members is 22 years . if the age of the youngest member be 7 years, what was the age of the family at the birth of the youngest member ?

(a)15 (b) 18 (c)21 (d) None

38. In a family of 8 males and few ladies .The average monthly consumption of grain per head is 10.8 kg. If the average monthly consumption per head be 15kg in the case of males and 6 kg in the case of families, find the number of females in the family

(a)8 (b)7 (c)9 (d)15

39. The average weight of 5mm is decreased by 3kg when one of them weighting 150kg is replaced by another person find the weight of new person.

(a)165kg (b)135kg
(c)138 kg (d)162 kg

40. The average weight of a class of 24 students is 36 kg. When the weight of the teacher is also included the average weight increases by 1 kg. What is the weight of the teacher in kg?

a) 60 b) 61
c) 37 d) None of these