

No. Of Questions: 20

Time: 30 minutes

1. 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 just before the birth of the youngest member?
(a) 15 yrs (b) 16 yrs (c) 17 yrs (d) 18 yrs
2. The average of 20 numbers was found to be 75 but later on it was found that 78 was misread as 87. Find the correct average.
(a) 74 (b) 74.55 (c) 75.45 (d) 74.33
3. The average age of 12 members in a group increased by 2 years when a new member of age 60 years joined. What was the average age of the group before the 13th member joined?
(a) 36 yrs (b) 35 yrs (c) 34 yrs (d) 58 yrs
4. The average of first 15 multiples of 3 is
(a) 3 (b) 24 (c) 5 (d) 22
5. If a, b, c, d and e are five consecutive odd numbers then their average is
(a) a (b) b (c) c (d) d
6. 12 people have an average weight of 68 kg. If 3 of them leave, the average of the remaining 9 members will be 66.5 kg. Find the average weight of the members who leave?
(a) 70.5 kg (b) 71.5 kg (c) 72.5 kg (d) 69.5 kg
7. The average weight of a class of 20 students is 40 kg. When a teacher replaces a student, the average weight increases by 2 kg. What is the weight of the teacher?
(a) 80 kg (b) 78 kg (c) 82 kg (d) cannot be determined
8. Eight persons decided to buy a color T.V. Seven of them contributed Rs. 1000/- each and the 8th person contributed Rs. 350 more than the average of all. What is the total money collected?
(a) Rs. 8350 (b) Rs. 8400 (c) Rs. 8650 (d) None of these
9. A man deposited at an average Rs. 250 per month for a year. If the average of deposits for the first six months was Rs. 200 and the average of deposits of the last seven months was Rs. 325, what was his deposit in the sixth month?
(a) Rs. 325 (b) Rs. 350 (c) Rs. 475 (d) RS. 425
10. A batsman had a certain average runs for 16 innings. In the 17th innings he made a score of 85 runs thereby increasing his average by 3 runs. What is his average after the 17th innings?
(a) 37 (b) 42 (c) 47 (d) None of these
11. The average mark of 30 students is 60. If the two top students whose individual marks differ by 2 were absent, the average would be 58, while if the last two students were absent the average would be 62. What are the marks obtained by each of the first, the second and the last student if marks of all the students are in an A.P.?
(a) 89, 87, 31 (b) 92, 90, 56 (c) 98, 96, 72 (d) None of these
12. The average temperature from 9th to the 16th of a month, both days inclusive was 34.6°C and from 10th to 17th it was 35.8°C. The temperature on 9th was 30.5°C. What was it on 17th?

(a) 35.6°C

(b) 36.2°C

(c) 40°C

(d) 40.1°C

13. The average weight of 24 students in class A is 82kg and the average weight of 72 students in class B is 42 kg. Find the combined average weight of both classes.
(a) 68 kg (b) 72 kg (c) 52 kg (d) cannot be determined
14. Visitors to a show were charged Rs. 15 each on the first day, Rs. 7.50 on the second day and Rs. 2.50 on the third day and the total attendance on the 3 days were in the ratio 2 : 5 : 13. Find the average charge per person for the whole show?
(a) Rs. 5 (b) Rs. 7.50 (c) Rs. 8.75 (d) Rs. 9.00
15. The average salary per head of the entire staff of an office including the officers and clerks is Rs. 90. The average salary per officer is Rs. 600 and that of the clerks is Rs. 84. If the number of officers is 12, what is the number of clerks?
(a) 1210 (b) 1020 (c) 1112 (d) None of these
16. The average weight of 3 persons A, B, and C is 84 kg. If a fourth man D joins them, average is reduced by 4 kg. If A is replaced by another man E, whose weight is 3 kg more than D's, the average comes down to 79 kg. Find the weight of A.
(a) 75 kg (b) 85 kg (c) 87 kg (d) 90 kg
17. The average of 8 results is 20, that of the first two is $15\frac{1}{2}$ and of the next three is $21\frac{1}{3}$. The sixth is less than the seventh by 4 and less by 7 than the eighth. Find the last.
(a) 65 (b) 35 (c) 27 (d) 25
18. The average age of a committee of seven trustees is the same as it was five years ago, a younger man having been substituted for one of them. How much younger was he than the trustee, whose place he took?
(a) 35 yrs (b) 25 yrs (c) 26 yrs (d) None

Directions for Qs. 19 to 20: 20 students took part in an entrance exam. The subjects were English and Mathematics only. The full mark in each subject was 100. The average mark in English score by all the students is 76 and that in mathematics is 92.

19. If two students left with their marks, what could be the maximum increase in average marks in English?
(a) 8 (b) 8.4 (c) 9 (d) 9.5
20. If two students left with their marks, what could be the maximum increase in average marks in Mathematics?
(a) 10.3 (b) 10 (c) 9 (d) 8

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