AVERAGE

Q.1 The average age of four boys, five years ago was 9 years. On including a new boy, the present average age of all the five is 15 years. The present age of the new boy is

(a) 14 years   (b) 6 years   (c) 15 years   (d) 19 years

Q.2 If the average of 39, 48, 51, 63, 75, 83, x and 69 is 60, then the value of x is

(a) 52   (b) 53   (c) 50   (d) 51

Q.3 A batsman makes a score of 58 runs in the 15th innings and thus increases his average by 3 runs. What is the average after 15th inning?

(a) 12   (b) 14   (c) 16   (d) 18

Q.4 The average of 5 consecutive numbers is n. If the next two numbers are also included, the average of the 7 number will

(a) Increase by 2   (b) Increase by 1

(c) Remain the same   (d) Increase by 1.4

Q.5 5 members of a team are weighted consecutively and their average weight calculated after each member is weighed. If the average weight increases by one Kg each time, how much heavier is the last player than the first one?

(a) 8 kg   (b) 5 kg   (c) 4 kg   (d) 20 kg

Q.6 In a school with 600 students, the average age of the boys is 12 years and that of the girls is 11 years. If the average age of the school is 11 years and 9 months, then the number of girls in the school is

(a) 250   (b) 350   (c) 450   (d) 150

Q.7 In a family of 5 members, the average age at present is 33 years. The youngest member is 9 years old. The average age of the family just before the birth of the youngest member was

(a) 24 years   (b) 30 years   (c) 29 years   (d) 25 years

Q.8 In a club, the average age of the members is 30 years, the average age of male members is 34 years and that of the female members is 26 years. The percentage of the male members is

(a) 50%   (b) 60%   (c) 30%   (d) 40%

Q.9 The average age of 14 girls and their teacher's age is 15 years. If the teacher's age is excluded, the average reduces by 1. What is the teacher's age?

(a) 32 years   (b) 30 years   (c) 29 years   (d) 35 years

Q.10 If out of 10 selected students for an examination, 3 were of 20 years, age, 4 of 21 and 3 of 22 years, the average age of the group is

(a) 22 years   (b) 21 years   (c) 21.5 years   (d) 20 years

Q.11 The average weight of nine mangoes increases by 20 g if one of them weighing 120 g is replaced by another. The weight of the new mango is

(a) 180 g   (b) 200 g   (c) 260 g   (d) 300 g

Q.12 The average of 6 persons in a committee is increased by 2 years, when two men aged 55 years and 60 years are substituted by two women. The average age of these two women is

(a) 127 years   (b) 103 years   (c) 63.5 years   (d) 51.5 years

Q.13 A man had 7 children. When their average age was 12 years, a child aged 6 years died. The average age of remaining six children is

(a) 13 years   (b) 10 years   (c) 11 years   (d) 14 years

Q.14 The average marks obtained by 22 candidates in an examination are 45. The average marks of the first 10 candidates are 55 and those of the last eleven are 40. The number of marks obtained by the eleventh candidate is

(a) 45   (b) 0   (c) 50   (d) 47.5

Q.15 The average marks obtained by 40 students of a class is 86. If the 5 highest marks are removed, the average reduced by one marks. The average marks of the top 5 students is

(a) 92   (b) 96   (c) 93   (d) 97

Q.16 The average salary, per head, of all the workers of an institution is Rs 60. The average salary of 12 officers is Rs 400; the average salary, per head, of the rest is Rs 56. The total number of workers in the institution is

(a) 1030   (b) 1035   (c) 1020   (d) 1032

Q.17 The average of 50 numbers is 38. If two numbers, namely 45 and 55 are discarded, the average of the remaining numbers is

(a) 37.5   (b) 37.9   (c) 36.5   (d) 37

Q.18 The average weight of 15 oarsmen in a boat is increased by 1.6 kg when one of the crew, who weighs 42 kg is replaced by a new man. Find the weight of the new man (in kg)

(a) 67   (b) 65   (c) 66   (d) 43

Q.19 Out of four numbers the average of the first three is 16 and that of the last three is 15. If the last number is 20 then the first number is

(a) 23   (b) 25   (c) 28   (d) 21

Q.20 The average marks obtained by a student in 6 subjects is 88. On subsequent verification, it was found that the marks obtained by him in a subject was wrongly copied as 86 instead of 68. The correct average of the marks obtained by him is

(a) 87   (b) 85   (c) 84   (d) 86

Q.21 The average of 6 consecutive natural numbers is K. If the next two natural numbers are also included, how much more than K will the average of these 8 numbers be?

(a) 1.3   (b) 1   (c) 2   (d) 1.8

Q.22 The average of runs of a cricket player of 20 innings was 32. How many runs must he make in his next innings so as to increase his average of runs by 4?

(a) 116   (b) 114   (c) 170   (d) 76

Q.23 The average monthly salary of 19 members of a group is Rs. 16000. If one more member whose monthly salary is Rs. 20000 joins the group, then the average salary of the group is

(a) Rs. 18250   (b) Rs. 16200   (c) Rs. 18000   (d) Rs. 16250

Q.24 The average age of 10 children is 9 years 9 months. The average age of 9 children is 8 years 11 months. What is the age of the tenth child?

(a) 17 years 3 months

(b) 18 years 4 months

(c) 17 years 5 months

(d) 18years 3 months

Q.25 The average of marks of 17 students in an examination was calculated as 71. But it was later found that the mark of one student had been wrongly entered as 65 instead of 56 and another as 24 instead of 50. The correct average is

(a) 70   (b) 71   (c) 72   (d) 73

Q.26 The average of 12 numbers is 9. If each number is multiplied by 2 and added to 3, the average of the new set of numbers is

(a) 9   (b) 18   (c) 21   (d) 27

Q.27 The averages of runs scored by cricket player in 11 innings is 63 and the average of his first six innings is 60 and the average of last six innings is 65. Find the runs scored by him in the sixth innings

(a) 60   (b) 54   (c) 67   (d) 57

Q.28 The average age of eight teachers in a school is 40 years. A teacher among them died at the age of 55 years whereas another teacher whose age was 39 years joins them. The average age of the teachers in the school now is (in years)

(a) 35   (b) 36   (c) 38   (d) 39

Q.29 If the average age of 4 children is 12 years and the average age of these children and their father is 20 years, what is the age of the father?

(a) 52 years   (b) 48 years   (c) 62 years   (d) 54 years

Q.30 The average age of 36 students in a group is 14 years. When the teacher's age is included in it, the average increases by one. The teacher's age in years

(a) 31   (b) 51   (c) 36   (d) 50