1. The average of 50 numbers is 30. Later it was found that two entries were wrongly entered as 82 and 13 instead of 28 and 31 respectively. Find the correct average.
(a) 36.12 (b) 30.66
(c) 29.28 (d) 38.21

2. The average marks in Science of a class of 20 students is 68. If the marks of two students were misread as 48 and 65 instead of the actual marks 72 and 61 respectively, what would be the correct average?
(a) 68.5 (b) 69
(c) 69.5 (d) 70
(e) 66

3. The average of three consecutive odd numbers is 12 more than one-third of the first of these numbers. What is the last of the three numbers?
(a) 15 (b) 17
(c) 19 (d) Data inadequate

4. The average of 5 consecutive even numbers is 28. What is the sum of the largest number and the square of the smallest number?
(a) 603 (b) 612
(c) 608 (d) 605

5. The average of five numbers is 371.8. The average of the first and second number is 256.5 and the average of the fourth and fifth number is 508. Which of the following is the third number?
(a) 360 (b) 310
(c) 430 (d) 330

6. The average marks obtained by a class of 60 students is 65. The average marks of half of the students is found to be 85. The average marks of the remaining students is
(a) 35 (b) 45
(c) 55 (d) 65

7. The average score of a cricketer for 13 matches is 42 runs. If his average score for the first 5 matches is 54, then what is his average score (in runs) for last 8 matches?
(a) 37 (b) 39
(c) 34.5 (d) 33.5

8. To find the average of five numbers, a student write a number 54 instead of 45. Thus, the average of these numbers is 52. The correct average of these numbers is ?
(a) 50.4 (b) 50.2
(c) 50.1 (d) 50

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9. The average of first three numbers is twice the fourth number. If the average of all the four numbers is 12, then find the 4th number.

(a) 16 (b) $\frac{48}{7}$

(c) 20 (d) $\frac{18}{7}$

10. The average marks of 40 students in an English exam is 72. Later it is found that three marks 64, 62 and 84 were wrongly entered as 68, 65 and 73. The average marks after mistakes were rectified is

(a) 70 (b) 72

(c) 71.9 (d) 72.1

11. The average weight of A, B and C is 26 kg. The weight of B is $\frac{1}{3}$ times that of A and the weight of C is 29 kg more than that of A. Find the weight of C.

(a) 40 kg (b) 42 kg

(c) 50 kg (d) 56 kg

12. The average weight of 5 men is increased by 2 kg when one of the men whose weight is 60 kg is replaced by a new man. The weight of the new man is

(a) 50 kg (b) 65 kg

(c) 68 kg (d) 70 kg

13. The average age of 11 players and their coach is 33 yr. The average age of first 5 players is 29 yr and the average age of other 6 players is 30 yr. What is the age (in yr) of the coach?

(a) 71 (b) 75

(c) 68 (d) 64

14. The average age of students of a class is 15.8 yr. The average age of boys in the class is 16.4 yr and that of the girls is 15.4 yr. The ratio of the number of boys to the number of girls in the class is

(a) 1:2 (b) 2:3

(c) 3:4 (d) 3:5

15. If average of weekly incomes of A, B and C is ₹ 4000 and that of B, C and D is ₹ 5000, weekly income of A is ₹ 2750, then weekly income of D will be

(a) ₹ 5750 (b) ₹ 4750

(c) ₹5280 (d) ₹ 3800

16. A batsman, in his 12th inning, makes a score of 63 runs and thereby increases his average score by 2. The average of his score after 12th inning is

(a) 41 (b) 42

(c) 34 (d) 35

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17. A cricketer has average score of 49 runs after 9 innings. How many runs does she need to score in her 10th innings to make the average score of 52 runs?
(a) 52 (b) 70
(c) 79 (d) 61

18. Average of daily incomes of A, B and C is ₹ 450. If average of daily incomes of A and B is ₹ 400 and average of daily incomes of B and C is ₹ 430, then daily income of B will be
(a) ₹ 300 (b) ₹ 310
(c) ₹ 375 (d) ₹ 425

19. There are 41 students in a class whose average age is 16 yr. What will be the average age of the class, if two students of ages 17 yr and 19 yr, are excluded and a student of age 20 yr is included?
(a) Less than 16 yr
(b) 16 yr
(c) More than 16 yr and less than 20 yr
(d) 20 yr

20. The average age of A and B is 20 yr. If A is to be replaced by C, the average would be 19 yr. The average age of C and A is 21 yr. The ages of A, B and C in order (in years) are
(a) 22, 18, 20 (b) 22, 20, 18
(c) 18, 22, 20 (d) 18, 20, 22

21. The average presence of students of a class in a college on Monday, Tuesday and Wednesday is 32 and on the Wednesday, Thursday, Friday and Saturday is 30. If the average number of students present on all the six days is 26, then the number of students who attended the class on Wednesday is
(a) 50 (b) 40
(c) 60 (d) 70

22. The average of the marks obtained by girls in a test was twice the average of the marks obtained by boys in that test. If there were 11 candidates in all and the average score of the boys was 12 and the total marks obtained by all the examinees was 168, find the number of girls who took part in the test.
(a) 3 (b) 6
(c) 4 (d) 8

23. A man whose bowling average is 12.4 takes 5 wickets for 26 runs and thereby decreases his average by 0.4. Find the number of wickets taken by him before his last match.
(a) 85 (b) 70
(c) 34 (d) 26

24. Last month the number of employees in company A was one-third the number of employees in company B and the average

number of employees of both the companies was 718. Company A recruited one more employee this month. What is the total number of employees in company A at present?

(a) 380 (b) 370
(c) 360 (d) 340

25. There are 40 children in a class in which boys are 4 more than the girls. If the average weight of all the students is 42.5 kg and the average weight of all the girls is 48 kg, then find the average weight of all the boys.

(a) 40 (b) 38
(c) 36 (d) 42
(e) None of these

26. The average expenditure of Mr. Sharma for the January to June is ₹ 4200. He spends 1200 and ₹ 1500 in July. The average expenditure for the months of February to July is

(a) ₹ 2750 (b) ₹ 3250
(c) ₹ 4250 (d) ₹ 4500

27. In an examination, the average of marks was found to be 50. For deducting marks for computational errors, the marks of 100 candidates had to be changed from 90 to 60 each and so the average of marks came down to 45. The total number of candidates, who appeared at the examination, was

(a) 600 (b) 300
(c) 200 (d) 150

28. If the average of m numbers is n^2 and that of n numbers is m^2, then the average of (m+n) numbers is

(a) m/n (b) mn
(c) m – n (d) m + 1

29. If average of a and b, $\left[\frac{a^{n+1}+b^{n+1}}{a^n+b^n}\right]$, then the value of n is

(a) 0 (b) 1
(c) 2 (d) 4

30. The batting average for 40 innings of a cricketer 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) 165 (b) 170
(c) 172 (d) 174

31. 16 children are to be divided into two groups A and B of 10 and 6 children, respectively. The average marks obtained by the children of group A is 75 and that of all the children is 76. The average marks of the children of group B is

(a) $77\frac{1}{3}$ (b) $77\frac{2}{3}$
(c) $78\frac{1}{3}$ (d) $78\frac{2}{3}$

32. The average weight of the students in four sections A, B, C and D is 60 kg. The average weight of the students of sections A, B, C and D individually are 45 kg, 50 kg, 72 kg and 80 kg, respectively. If the average weight of the students of sections A and B together is 48 kg and that of sections B and C together is 60 kg, then what is the ratio of the numbers of students in sections A and D?

(a) 12:7 (b) 4:3
(c) 3:2 (d) 8:5

33. Average of the marks of 132 students of a college is 40. If the average of the marks of the passed student is 42 and the average of the marks of the failed students is 20, then what will be the respective ratio of the total marks of passed students and the total marks of failed students?

(a) 21: 1 (b) 23:2
(c) 19:11 (d) 9:2

34. Ajit has a certain average for 9 innings. In the tenth inning, he scores 100 runs thereby increasing his average by 8 runs. What is his new average?

(a) 25 (b) 21
(c) 28 (d) 32

35. The average weight of 3 men A, B and C is 84 kg. Another man D joins the group and the average now becomes 80 kg. If another man E whose weight is 3 kg more than that of D, replaces A, then the average weight of B,C, D and E becomes 79 kg. What is the weight of A?

(a) 70 kg (b) 72 kg
(c) 75 kg (d) 80 kg

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