

Average

Q1. The average of first 10 even numbers is?

- (a) 9 (b) 11 (c) 18 (d) 22

Q2. The average of four consecutive even numbers is 15. The 2nd highest number is:

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

Q3. The average age of three boys is 15 years and their ages are in proportion 3:5:7. What is the age in years of the youngest boy?

- (a) 9 (b) 15 (c) 18 (d) 21

Q4. The average of 11 numbers is 10.9. If the average of first six is 10.5 and that of the last six is 11.4 the sixth number is?

- (a) 11.0 (b) 11.3 (c) 11.4 (d) 11.5

Q5. Visitors to show were charged Rs.15 each on the first day. Rs.7.50 on the second day, Rs.2.50 on the third day and total attendance on the three days were in ratio 2:5:13 respectively. The average charge per person for the whole show is?

- (a) Rs. 3 (b) Rs. 4.5 (c) Rs. 5 (d) Rs. 7.5

Q6. The average weight of 25 persons sitting in a boat had some value. A new person added to them whose weight was 46 kg only. Due to his arrival, the average weight of all the persons decreased by 5 kg. Find the average weight of first 25 persons?

- (a) 55 (b) 57 (c) 62 (d) None of these

Q7. The average monthly income of P and Q is Rs. 5050. The average monthly income of Q and R is Rs. 6250 and the average monthly income of P and R is Rs. 5200. The monthly income of P is:

- (a) 3500 (b) 4000 (c) 4050 (d) 5000

Q8. The average of 1st 3 of 4 numbers is 16 and of the last 3 are 15. If the sum of the first and the last number is 13. What is the last numbers?

- (a) 2 (b) 5 (c) 6 (d) 8

Q9. The average age of Ram and his two children is 17 years and the average age of Ram's wife and the same children is 16 years. If the age of Ram is 33 years, the age of his wife is (in years)

- (a) 30 (b) 31 (c) 32 (d) 35

Q10. A man was 32 years old when he had his first son. His wife was 35 years old when his son attained the age of 7 years. The difference between the ages of the father and the mother is:

- (a) 3 years (b) 4 years (c) 5 years (d) 7 years

Q11. The average age of a husband and a wife is 23 years when they were married five years ago but now the average age of the husband, wife and child is 20 years (the child was born during the interval). What is the present age of the child?

- (a) 1 (b) 2 (c) 3 (d) 4

Q12. Three numbers are such that the average of first two numbers is 2, the average of the last two numbers is 3 and the average of the first and the last numbers is 4, then the average of three numbers is equal to

- (a) 2 (b) 2.5 (c) 3 (d) 3.5

Q13. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

- (a) 6.25 (b) 6.5 (c) 6.75 (d) 7

Q14. A batsman in his 17th innings makes a score of 85 and thereby increasing his average by 3. What is his average after the 17th innings?

- (a) 34 (b) 35 (c) 36 (d) 37

Q15. 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) 21 (b) 23 (c) 25 (d) 28

Q16. Bhanu is as much younger to Chetan as he is older to Dev. If the total of the ages of Chetan and Dev is 48 years, how old is Bhanu?

- (a) 16 years (b) 18 years (c) 22 years (d) 24 years

Q17. 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

Q18. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500?

- (a) Rs. 4991 (b) Rs. 5991 (c) Rs. 6001 (d) Rs. 6991

Q19. The average salary of all the workers in a workshop is Rs. 8000. The average salary of 7 technicians is Rs. 12,000 and the average salary of the rest is Rs. 6000. The total number of workers in the workshop is:

- (a) 23 (b) 22 (c) 21 (d) 20

Q20. The captain of a cricket team of 11 members is 30 years old and the wicket keeper is 6 years older. If the ages of these two are excluded, the average age of the remaining players is 2 years less than the average age of the whole team. What is the average age of the team?

- (a) 22 years (b) 24 years (c) 25 years (d) None of these

Q21. A student finds the average of ten 2 digit numbers. If the digits of one of the numbers are interchanged, the average increases by 3.6. The difference between the digits of 2 digit numbers is:

- (a) 2 (b) 3 (c) 4 (d) 5

Q22. Of the three numbers, the first number is twice the second and the second is thrice the third number. If the average of these 3 numbers is 20, then the sum of the largest and the smallest numbers is:

- (a) 60 (b) 54 (c) 42 (d) 24

Q23. The sum of the ages of 4 children born at intervals of 4 years each is 60 years. What is the age of the youngest child?

- (a) 8 years (b) 9 years (c) 10 years (d) 12 years

Q24. The average weight of the first 11 persons among 12 persons is 95 kg. The weight of 12th person is 33 kg more than the average weight of all the 12 persons. The weight of the 12th person is:

- (a) 97.45 kg (b) 128 kg (c) 128.75 kg (d) 131 kg

Q25. A pupil's marks were wrongly entered as 92 instead of 29. Due to that the average marks for the class got increased by 1. The number of pupils in the class is:

- (a) 18 (b) 27 (c) 26 (d) 63

Q26. 5 years ago the average age of a family which includes father, mother and a son was 35 years. 3 years ago the average age of father and mother was 46 years. What is the present age of the son?

- (a) 20 years (b) 22 years (c) 24 years (d) 26 years

Q27. The mean of 100 items was 46. Later on it was discovered that an item 16 was misread as 61 and another item 43 was misread as 34. It was also found that the number of items were 90 and not 100. Then what is the correct mean?

- (a) 52.7 (b) 52 (c) 50.7 (d) 50

Q28. The average age of 6 members of a family is 20 years. If the age of the servant is included, then the average age increases by 25%. What is the age (in years) of the servant?

- (a) 30 (b) 35 (c) 50 (d) 55

Q29. The average marks of a class of 35 children is 35. The marks of one of the students, who got 35, was incorrectly entered as 65. What is the correct average of the class?

- (a) 28.20 (b) 34.14 (c) 38.14 (d) 42.21

Q30. On mixing two classes A and B of students having average marks 25 and 40 respectively, the overall average obtained is 30. Find the ratio of the students in the classes A and B.

- (a) 5 : 8 (b) 5 : 6 (c) 3 : 4 (d) 2 : 1

Q31. The bowling average of a cricketer was 12.4. He improves his bowling average by 0.2 points when he takes 5 wickets for 26 runs in his last match. The number of wickets taken by him before the last match

- (a) 200 (b) 175 (c) 150 (d) 125

Q32. a, b, c, d, e, f, g are consecutive even numbers. j, k, l, m, n are consecutive odd numbers. The average of all the numbers is

- (a) $\frac{7d+5l}{12}$ (b) $\frac{a+b+m+n}{4}$ (c) $\frac{1+d}{2}$ (d) $3 \times \frac{a+n}{2}$

Q33. 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. Then the weight of A is:

- (a) 76 kg (b) 75 kg (c) 74 kg (d) 72 kg

Q34. There were 35 students in a hostel. If the number of students is increased by 7 the expenditure on food increases by Rs. 42 per day while the average expenditure of students is reduced by Rs. 1. What was the initial expenditure on food per day?

- (a) Rs. 400 (b) Rs. 420 (c) Rs. 432 (d) Rs. 442

Q35. The average of five consecutive positive integers is n. If the next two integers are also included, then the average of all these integers will

- (a) Increase by 1 (b) Increase by 1.5 (c) Increase by 2 (d) Remain the same

Q36. In an exam, the average marks obtained by the students was found to be 60. After the omission of computational errors, the average marks of 100 candidates had to be changed from 60 to 30 and the average with respect to all the examinees came down to 45 marks. The total number of candidates who took the exam was

- (a) 180 (b) 200 (c) 210 (d) 240

Q37. The mean temperature of the first four days of a week is 25°C whereas the mean of the last four days is 25.5°C. If the mean temperature of the whole week is 25.2°C then the temperature on the 4th day is:

- (a) 25°C (b) 25.2° C (c) 25.5°C (d) 25.6°C

Q38. Arpit aims to score an average of 80 marks in quarterly and half yearly exams. But his average in quarterly is 3 marks less than his target and that in half yearly is 2 marks more than his aim. The difference between the total marks scored in both the exams is 25. The total marks aimed by Arpit is:

- (a) 380 (b) 400 (c) 410 (d) 420

Q39. Three years ago, the average age of a family of 5 members was 17 years. A baby having been born, the average age of the family is the same today. The present age of the baby (in year/s) is:

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

Q40. A man's pension on retirement from service is equal to half the average salary during last 3 years of his service. His salary from 1 January 1983 is Rs. 380 per month with an increment of Rs. 40 due on 1 October 1983, 1 October 1984 and 1 October 1985. If he retires on 1 January 1986, what pension does he draw per month?

- (a) Rs. 230 (b) Rs. 225 (c) Rs. 215 (d) Rs. 205

Q41. Three Science classes A, B and C take a Life Science test. The average score of class A is 83. The average score of class B is 76. The average score of class C is 85. The average score of class A and B is 79 and the average score of class B and C is 81. Then the average score of classes A, B and C is

- (a) 80 (b) 80.5 (c) 81 (d) 81.5

Answer key

1	B	10	B	19	C	28	D	37	D
2	B	11	D	20	B	29	B	38	B
3	A	12	C	21	C	30	D	39	B
4	D	13	A	22	C	31	B	40	C
5	C	14	D	23	B	32	A	41	D
6	D	15	C	24	D	33	B		
7	B	16	D	25	D	34	D		
8	B	17	B	26	B	35	A		
9	A	18	A	27	C	36	B		