



## AVERAGE

Q1.) Out of 40 boys in a class, average weight of 30 is 60 kg and the average weight of the remaining is 56 kg. The average weight (in kilogram) of the whole class is

- a) 58.5 b) 58 c) 57 d) 59

Q2. The average age of A and B is 20 years. If C were to replace A, the average would be 19 and if C were to replace B, the average would be 21. What are the age of A, B and C?

- a) 22, 18, 201 b) 20, 20, 18  
c) 18, 22, 201 d) none of these

Q3.) 3 years ago the average age of a family of 5 members was 17 years. With the birth of a new baby, the average age of six members remains the same even today. Find the age of the new baby.

- a) 1 year b) 2 years c) 3 years d) cannot be determined

Q4. The average age of 36 students in a group is 14 years. When teacher's age is included to it, the average increases by one. What is the teacher's age in years?

- a) 37 b) 36 c) 31 d) cannot be determined

Q5.) 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 a target of 282 runs?

- a) 6.25 b) 6.50 c) 6.75 d) 7.00

Q6) The average attendance in a school for the first 4 days of the week is 30 and for the first 5 days of the week is 32. The attendance on the fifth day is

- a) 32 b) 40 c) 38 d) 36

Q7). Last year, a Home Appliance Store sold an average of 42 microwave ovens per month. In the first 10 months of this year, the store has sold an average of only 20 microwave ovens per month. What was the average number of microwave ovens sold per month during the entire 22 months period?

Q8. The captain of a cricket team of 11 players is 25 years old and the wicket-keeper is 3 years older. If the age of these two players are replaced by that of another two players, the average of the cricket team drops by 2 years. Find the average age of these two players.

- a) 15 years b) 15.5 years c) 17 years d) 16.5 years

Q9. In Arun's opinion, his weight is greater than 65 kg but less than 72 kg. His brother does not agree with Arun and he thinks that Arun's weight is greater than 60 kg but less than 70 kg. His mother's view is that his weight cannot be greater than 68 kg. If all of them are correct in their estimation, what is the average of different probable weights of Arun?

- a) 67 kg b) 68 kg c) 69 kg d) None of these

Q10. 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 other 5 students whose average weight is 54 kg join the class. What is the new average weight (in kg) of the class?

Q11. The average monthly sales for the first eleven months of the year of a certain salesman were Rs 12000, but due to his illness during the last month, the average monthly sales for the whole year came down to Rs 11375. What was the value of sales during the last month?

- a) 2100 b) 875 c) 700 d) 4500

Q12. The average temperature for Monday, Tuesday and Wednesday was  $55^{\circ}$ , the average for Tuesday, Wednesday and Thursday was  $60^{\circ}$ , that for Thursday being  $56^{\circ}$ , what was the temperature on Monday?

- a)  $39^{\circ}$  b)  $41^{\circ}$  c)  $45^{\circ}$  d) None of these

Q13. In preparing a meal for 4 people, a housewife uses 600 grams of sprouts, 1 kg of potatoes, 1 cauliflower weighing  $\frac{1}{2}$  kg each and 700 grams of meat. If one quarter of the weight is lost in preparation and cooking, then what is the average weight in grams, of each person's meal?



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c) 700      d) 525

**Q14.**The respective ratio between the speed of a car, a train and a bus is 5:9:4. The average speed of the car the bus and the train is 72 km/h together. What is the average speed of the car and the train together?

a) 82 km/h    b) 78 km/h    c) 84 km/h    d) cannot be determined

**Q15.**The average of 5 consecutive numbers is n. If the next two numbers are also included, the average of the 7 numbers will

a) increase by 2                      b) increase by 1  
c) remain the same                  d) increase by 1.4

**Q16.**A family consists of grandparents, parents and three grandchildren. The average age of the grandparents is 60 years, that of the parents is 30 years and that of the grandchildren is 10 years. What is the average age of the family?

a) 25 years    b) 26 years    c) 24 years    d) 30 years

**Q17.**The average marks scored by 60 pupils in a class were 32.5. The marks of the first pupil were altered from 88 to 78, the marks of the last pupil were altered from 13 to 43. Then the new average will be

a) 32.83    b) 33.97    c) 34.12    d) 36.23

**Q18.**The average weight of 3 men A, B and C is 84 kg. Another man D joins the group and the average of the group becomes 80 kg. If another men E whose weight is 3 kg more than that of D replace A, then the average weight of B, C, D and E becomes 79 kg. Find the weight of A.

a) 75 kg    b) 65 kg    c) 55 kg    d) 50 kg

**Q19.**In an exam, the average was found to be 50 marks. After deducting computational errors, the marks of the 100 candidates had to be changed from 90 to 60 each and the average came down to 45 marks. The total number of candidates who took the exam were

a) 2100    b) 875    a) 3000    b) 600    c) 200    d) 150

**Q20.** A company produces on an average 4000 items per month for the first 3 months. How many items it must produce on an average per month over the next 9 months, to average 4375 items per month over the whole?

a) 4500    b) 4600    c) 4680    d) 4710

**Q21.** In an examination, a Rohan's average marks were 63 per paper. If he had obtained 20 more marks for his Geography paper and 2 more marks for his History paper, his average per paper would have been 65. How many papers were there in the examination?

a) 8    b) 9    c) 10    d) 11

**Q22.**The average age of students of a class is 15.8 years. The average age of boys in the class is 16.4 years and that of the girls is 15.4 years. 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

**23.**The average of 10 numbers is 40.2. Later it is found that two numbers have been wrongly copied. The first is 18 greater than the actual number and the second number added is 13 instead of 31. Find the correct average.

a) 40.2    b) 40.4    c) 40.6    d) 40.8

**24)**How much tea at Rs 9 per kg must be mixed with 100 kg of superior tea at Rs 13.50 per kg to give an average price of Rs 11 per kg?

a) 85 kg    b) 120 kg    c) 125 kg    d) 130 kg