

1) The present ratio of students to teachers at a certain school is 30:1. If the student enrollment were to increase by 50 students and the number of teachers were to increase by 5, the ratio of the teachers would then be 25:1 .What is the present number of teachers?

- a) 12      b) 15      c) 20      d) 23

2) The sum of five numbers is 655. The average of the first two numbers is 85 and the third number is 125. Find the average of the two numbers?

- a) 185    b)187    c)190      d)182

3) In an NGO the daily average wages of 20 illiterate employees is decreased from Rs.25 to Rs.10, thus the average salary of all the literate and illiterate employees is decreased Rs.10 per day. The No. of educated employees working in the NGO is?

- a)10 b) 20 c)30 d)45 e) Cannot be Determined

4) The average of x, y and z is 45. x is as much more than the average as y is less than the average. Find the value of z.

- a) 45 years B. 35 years C. 60 year D. 15 years

5) Consider a class of 40 students whose average weight is 40 kgs. m new students join this class whose average weight is n kgs. If it is known that  $m + n = 50$ , what is the maximum possible average weight of the class now?

- A. 40.18 kgs B. 40.56 kgs C; 40.67 kgs D.40.49 kgs

6) The average price of 80 computers in an electronic shop is Rs30,000. If the highest and lowest price computers are sold out then the average price of the remaining 78 computers is Rs.29,500. The cost of the highest price computer is Rs.80,000. The cost of lowest price computer is

- (a)Rs.19,000 (b) Rs.20,000 (c)Rs.29,000 (d) Can't be determined

7) Ram has two types of grapes. One is the fresh grapes containing 80% water and dry grapes containing 25% water. He sells 20 kg dry grapes, by adding water to the dry grapes, at cost price. What is the total profit percentage when water is added in proportion to that of fresh grapes to the 20 kg of dry grapes?

- (a) 275% (b) 200% (c) 80% (d) 125%

8) Brass is an alloy of copper and zinc. Bronze is an alloy containing 80% of copper, 4% of zinc and 16% of tin. A fused mass of brass and bronze is found to contain 74% of copper, 16% of zinc, and 10% of tin. The ratio of copper to zinc in Brass is:

- (a) 64% and 36% (b) 33% and 67% (c) 50% and 75% (d) 68% and 32%