



11. A dishonest milkman professes to sell his milk at cost price but he mixes water in pure milk and thereby gains 50%. Find the percentage of water he adds to pure milk.

- a) 50%      b) 33.33%    c) 40%      d) 42.5%

12. Tea worth Rs. 126 per kg and Rs. 135 per kg are mixed with a third variety in the ratio 1 : 1 : 2. If the mixture is worth Rs. 153 per kg, the price of the third variety per kg will be

- a) 109      b) 218      c) 351      d) 175.5

13. A container contains 40L of milk, from this 4L of milk is taken out and replaced by water. This process is repeated further 2 times. How much milk is now contained by the container?

- a) 28L      b) 12L      c) 29.16L    d) 28.16L

14. 8L is drawn from a cask full of wine and is filled with water. This process is performed three more times. The ratio of the quantity of wine now left in the cask to that of water is 16:65. How much wine did the container had initially?

- a) 24L      b) 40L      c) 16L      d) 48L

15. There are two bottles A and B, each filled with milk and water in the ratio 5:3 and 1:2 respectively. A new mixture is formed by mixing the contents of A and B in the ratio 4:3. What is the ratio of composition of milk and water in the new mixture?.

- a) 6:5      b) 24:15    c) 1:1      d) 9:10

16. The ratio of acid 1 to acid 2 in the container A is 3:2 and it is 3:7 in container B. In what ratio should they be mixed so the resultant ratio of acid 1 to acid 2 in container C is 1:1?

- a) 2:1      b) 1:1      c) 1:2      d) 2:3

17. A can contains a mixture of two liquids A and B in the ratio 7 : 5. When 9 litres of mixture are drawn off and the can is filled with B, the ratio of A and B becomes 7 : 9. How many litres of liquid A was contained by the can initially?

- a) 28      b) 21      c) 35      d) 14

18. The average salary of all the workers in a workshop is Rs. 8,000/-. The average salary of 7 technicians is Rs. 12,000/- and the average salary of the rest is Rs. 6,000/-. The total number of the workers in the workshop is

- a) 14      b) 21      c) 7      d) 35

19. A sum of Rs.10,000 is lent under simple interest partly @ 5% p.a. and the remaining @ 7% p.a. for one year. If the total interest earned is Rs.600 then find the sum invested @ 7% p.a.?

- a) Rs. 5,000    b) Rs. 5,500    c) Rs. 4,000    d) Rs. 4,500

20. A merchant has 2000 Kg of rice, part of which he sold at 36% profit and the rest at 16% profit. He gains 28% on the whole. Find the quantity sold at 16% profit.

- a) 600 Kg    b) 1200 Kg    c) 400 Kg    d) 800 Kg