

13. A mixture contain milk and water in the ratio 7:4 another contain them in the ratio 5:6. If equal quantities of the two are mixed, what is the ratio of milk to water in the resultant mixture ?

14. A solution contain milk and water in the ratio 7:6 and another contain them in the ratio 9:4. If the two solution are mixed in the ratio 1:2, what is the ratio of milk to water in the resultant mixture?

15. A mixture contain wine and water in the ratio 4:5 and another contain them in the ratio 6:7. If they are mixed in equal quantities, what is the ratio of wine to water in the resultant mixture?

4 L of a 60% milk solution is mixed with 6 L of a 40% milk solution. Find the percentage of milk in the resultant mixture.

2 L of a 40% milk solution is mixed with 3 L of a 60% milk solution. Find the percentage of milk in the resultant mixture.

In what ratio should a 80% milk solution be mixed with a 30% milk solution in order to obtain a 50% milk solution?

A can contains a mixture of two liquids A and B in the ratio 7: 5. When 9 litres of mixtures 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?

☐ 19

☐ 20

☐ 18

☐ 21

In what ratio must a shopkeeper mix Peas and Soybean of Rs. 16 and Rs. 25 per kg respectively, so as to obtain a mixture of Rs. 19.50 ?

☐ 9 : 5

☐ 7 : 5

☐ 11 : 7

☐ 12 : 8

A tank of 100 litres is filled with kerosene. Ram replaces 10% of kerosene with water and repeats this procedure 4 times. What is the amount of kerosene left in the tank?

☐ 60 litres

☐ 65.61 litres

☐ 70 litres

☐ 65 litres

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A dishonest milkman professes to sell his milk at some cost price but he mixes it with water and thereby gains 25%. The percentage of water in the mixture is:

☒ 19%

☐ 20%

☐ 18%

☐ 21%

The ratio of Sara's age 4 years ago and Vaishali's age after 4 years is 1: 1. Presently, the ratio of their ages is 5: 3. Find the ratio between Sara's age 4 years hence and Vaishali's age 4 years ago.

☐ 3 : 2

☐ 3 : 1

☐ 1 : 1

☐ 3 : 5

10 gallons are drawn from a container full of alcohol and filled with water again. 10 gallons of mixture are again drawn and the container is filled with water again. If the ratio of alcohol and water left in the container is 49 : 32, then find how much quantity does the container hold?

☐ 35 gallons

☐ 45 gallons

☐ 55 gallons

☐ 60 gallons

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☐ 3 : 5

Rahul is 15 years elder than Rohan. If 5 years ago, Rahul was 3 times as old as Rohan, then find Rahul's present age.

☐ 32.5 years

☐ 27.5 years

☐ 25 years

☐ 24.9 years

The ratio of Rohan's age 4 years ago and Rahul's age after 4 years is $1 : 1$. If at present, the ratio of their ages is $5 : 3$, then find the ratio between Rohan's age 4 years hence and Rahul's age 4 years ago.

☐ $1 : 3$

☐ $3 : 1$

☐ $4 : 3$

☐ $3 : 4$

10 typists can type 600 pages in 8 hours. Find the average number of pages typed by each typist in an hour.

☐ 7 pages

☐ 7.5 pages

☐ 8 pages

☐ 8.5 pages