

- 1) In a mixture of 40 litres, the ratio of milk and water is 4:1. How much water must be added to this mixture so that the ratio of milk and water becomes 2:3.
- a) 20 litres
b) 32 litres
c) 40 litres
d) 30 litres
- 2) A dishonest milkman mixed 1 litre of water for every 3 litres of milk and thus made up 36 litres of milk. If he now adds 15 litres of milk to the mixture, find the ratio of milk and water in the new mixture.
- a) 12:5
b) 14:3
c) 7:2
d) 9:4
- 3) A mixture contains milk and water in the ratio 5:1. On adding 5 litres of water, the ratio of milk to water becomes 5:2. The quantity of milk in the mixture is:
- a) 16 litres
b) 25 litres
c) 32.5 litres
d) 22.75 litres
- 4) A cask contains a mixture of 49 litres of wine and water in the proportion 5:2. How much water must be added to it so that the ratio of wine to water may be 7:4?
- a) 3.5
b) 6
c) 7
d) None of these
- 5) A cask contains 12 gallons of mixture of wine and water in the ratio 3:1. How much of the mixture must be drawn off and water substituted, so that wine and water in the cask may become half and half.
- a) 3 litres
b) 5 litres
- c) 6 litres
d) None of these
- 6) A and B are two alloys of argentine and brass prepared by mixing metals in proportions 7:2 and 7:11 respectively. If equal quantities of the two alloys are melted to form a third alloy C, the proportion of argentine and brass in C will be:
- a) 5:9
b) 5:7
c) 7:5
d) 9:5
- 7) The ratio of water and milk in a 30 litre mixture is 7:3. Find the quantity of water to be added to the mixture in order to make this ratio 6:1.
- a) 30
b) 32
c) 33
d) 35
- 8) In a mixture of 70 litres, the ratio of milk and water is 5:2. How much water must be added to this mixture so that the ratio of milk and water becomes 1:3.
- a) 130L
b) 150L
c) 120L
d) 110L
- 9) If three numbers are in the ratio of 3:2:1 and half the sum is 30, then find the biggest number:
- a) 30
b) 20
c) 10
d) 15
- 10) The ratio between two numbers is 6:8 and their LCM is 360. The first number is
- a) 70
b) 90
c) 120

d) 100

Answers:

- 1 – C
- 2 – B
- 3 – B
- 4 – B
- 5 – D
- 6 – C
- 7 – C
- 8 – A
- 9 – A
- 10 – B

