

Mixtures And Alligations Questions Overview

Mixtures And Alligations Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Mixtures And Alligations Questions.

Question

A container contains 60 L milk and 40 L water. How much quantity of water should be added in the container so that if shopkeeper sell the mixture of container at cost price of milk then he will earn 150% profit?

Difficulty : Moderate

Average Time : 36 Seconds

Options :

1. 80 L
2. 100 L
3. 30 L
4. 40 L
5. 50 L



Solution

The correct answer is **option 5** i.e. **50 L**.

On selling mixture, retailer earns 150% profit

If container contains 5 l of mixture then quantity of milk is 2 L.

Let x of water is added in container

ATQ

$$\frac{60}{40+x} = \frac{23}{10}$$

$$180 = 80 + 2x \quad = 50$$