

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

In a container, the ratio of milk and water is 5 : 4. In another container, the ratio of milk and water is 7 : 4. In what ratio the mixture from both the containers be taken so that the ratio of milk and water in the final mixture be 56 : 43 ?

Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. 1 : 2
2. 3 : 5
3. 9 : 8
4. 7 : 1
5. 1 : 1



Solution

The correct answer is **option 4** i.e. **7 : 1**

Solution :

Let the cost price of 1 litre milk is Re. 1

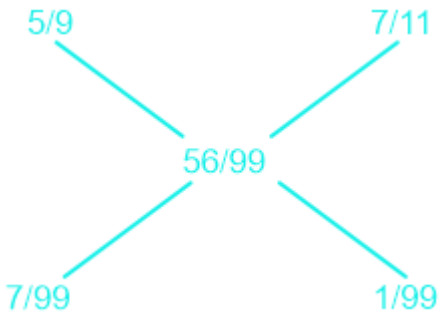
Then,

The cost price of milk in container 1 = $5/9$

The cost price of milk in container 2 = $7/11$

The cost price of milk in final mixture = $56/99$

Applying alligation,



Mixture 1 : Mixture 2 = 7 : 1.

