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 milkman named Suresh wants to replace milk with water from a container containing 40 litres of a milk-water mixture in the ratio of 4:1. Find out how many litres of milk should be replaced with water, so that milk and water are there in the same proportion.

Difficulty : Moderate   **Average Time : 38 Seconds**

Options :
1. 22 litres
2. 17 litres
3. 20 litres
4. 15 litres
5. None of these

Solution

The correct answer is **option 4** i.e. **15 litres**

Quantity of water in the mixture = 1/5 × 40

= 8 litres

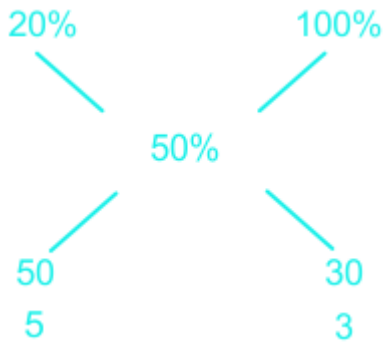let the Percentage of water in the mixture be 'P'

p% of 40 = 8

p = 800/40

p = 20%

By using alligation,

```
  20%            100%
      \          /
         50%
      /          \
  50               30
   5                3
```

Here 3 corresponds to 100% water. So the water required is = 3/8 × 40

= 15 litres