

# Ratios And Proportion Questions Overview :

Ratios And Proportion Questions have a good weightage in the Ibps Clerk 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 Ratios And Proportion Questions

## Question :

A container contains 60 litres of ethanol, 15 litres of this ethanol is removed and replaced with water, and 15 litres of this mixture is again removed and replaced with water. What is the ratio of ethanol and mixture in the present mixture?

Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. 16 : 9
2. 3 : 4
3. 4 : 3
4. 9 : 16

## Solution

The correct answer is **option 4** i.e. **9 : 16**.

The ratio of ethanol and mixture in the final mixture =  $[1 - x/c]^n$

where

x = quantity taken out

c = total capacity

n = no of process

The ratio of ethanol and mixture in final mixture

$$[1 - 15/60]^2$$

$$[1 - 1/4]^2 = (3/4)^2 = 9/16$$