

Comparison Of Quantities Questions Overview

Comparison Of Quantities 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 Comparison Of Quantities Questions.

Question

Efficiency of B is two times more than efficiency of A. Both started working alternatively, starting with B and completed the work in total 37 days. If C alone complete the same work in 50 days then find in how many days A and C together will complete the work?

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. 24 days
2. 30 days
3. 36 days
4. 48 days
5. 18 days

Solution

The correct answer is **option 2** i.e. **30 days**

Lets efficiency of A is x unit/day and B's efficiency is $3x$ unit/day

So, B work for 19 days and A work for 18 days

ATQ—

$$\text{Total work} = 19 \times 3x + 18 \times x = 75x$$

$$= 75/50$$

$$= 1.5 /$$

$$(+) = 75/(+1.5)$$

$$= 30$$

