

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

7 men and 6 women together can complete a piece of work in 8 days and work done by a women in one day is half the work done by a man in one day. If 8 men and 4 women started working and after 3 days 4 men left the work and 4 new women joined then, in how many more days will the work be completed

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 7 days
2. 6 days
3. 5.25 days
4. 6.25 days
5. 8.14 days

Solution

The correct answer is **option 4** i.e. **6.25 days**

One day work of women = half of work done by men in one day

Let efficiency of one women = w unit/day

Man's efficiency = $2w$ unit/day

Total work = $(7 \times 2w + 6 \times w) \times 8 = 160w$ unit

8 men and 4 women start work for 3 days

Total work done = $(8 \times 2w + 4 \times w) \times 3$

= 60w

4 women replace 4 man

= $(4 \times 2w + 8 \times w) = 16w$

Days required = $100/16 = 6.25$ days

