

Quadratic Equation Questions Overview

Quadratic Equation 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 Quadratic Equation Questions.

Quadratic Equation Questions

Directions: In the following questions, two values (A and B) are given. You have to choose the apt relationship between A and B. Use your mathematical knowledge to evaluate the value of A and B.

Question

A: Amount of water added. A container contains 120 litres of milk and water mixture in ratio 2 : 1. Water is added in the mixture till the ratio of milk and water becomes 4:3. B: 20

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. $A > B$
2. $A < B$
3. $A = B$
4. $A = B$ or no relationship.
5. $A < B$

Solution

The correct answer is **option 4** i.e. **$A = B$ or no relationship.**

A: Volume of mixture = 120 litres

Milk and water ratio = 2 : 1

Milk = $\frac{2}{3} \times 120 = 80$ litres

Water = 40

Water is added such that ratio changes. Let A litres be added.

$$80/(40 + A) = 4/3$$

$$240 = 160 + 4A$$

$$A = 80/4 = 20 \text{ litres}$$

B: 20

A = B

