

Trigonometry Questions Overview

Trigonometry 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 Trigonometry Questions.

Question

A person has purchased two adjacent plots, one is in rectangular shape and other is in square shape and combined them to make a single new plot. The breadth of the rectangular plot is equal to the side of the square plot and the cost of fencing the new plot is Rs. 390 (Rs. 5/m). Find the side of square if the length of the rectangular plot is 15 m.

Difficulty : Moderate

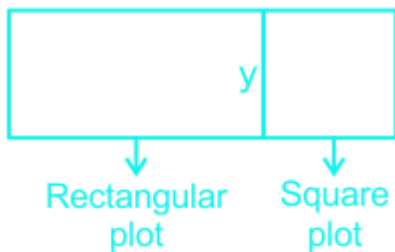
Average Time : 42 Seconds

Options :

1. 10 m
2. 8 m
3. 12 m
4. 9 m
5. 6 m

Solution

The correct answer is **option 3** i.e. **12 m**



Let the breadth of rectangular plot be y m and

length = 15 m

ATQ,

$$30 + y + 3y = 390/5$$

$$30 + 4y = 78$$

$$4y = 48 \quad y = 12 \text{ m}$$

