

Distance And Direction Questions Overview

Distance And Direction 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 Distance And Direction Questions.

Distance And Direction Questions

Read the following information carefully and answer the following questions. A man started walking from point A and after a certain distance stops at point B, which is in the east direction of A. From there he moves to his right and stops at point H after 4 km. From there he moves left and stops at point J after 10 km. From there he moves in the south direction and stops after 12 km at point Y. From there he moves to his right and stops after 15 km at point G. From G he moves north and stops at point A after 16 km.

Question

What is the shortest distance between point A and point H?

Difficulty : Moderate

Average Time : 58 Seconds

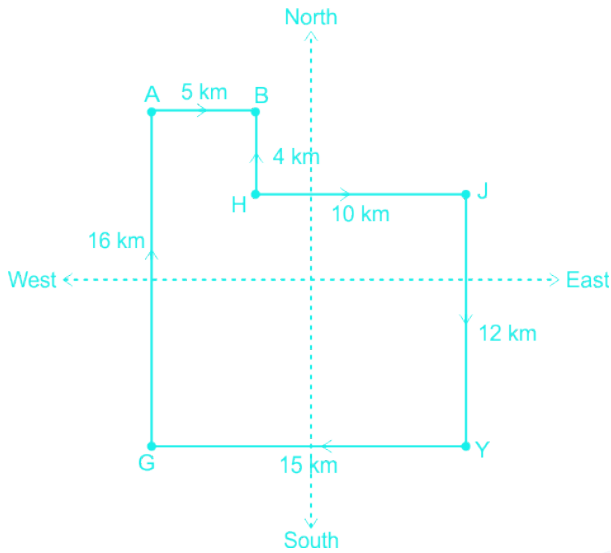
Options :

1. 42 km
2. 40 km
3. 41 km
4. 45 km
5. None of these

Solution

The correct answer is **option 3** i.e **41 km**.

Understanding



By making the diagram we get all the directions and distance traveled by the man.

Clearly, by applying the Pythagoras theorem we get the shortest distance between point H and point A.

$$H^2 = P^2 + B^2$$

$$H^2 = 4^2 + 5^2$$

$$H^2 = 16 + 25$$

$$H^2 = 41$$

$$H = \sqrt{41}$$

Hence, the correct answer is **41 km**.