

# Height Amp Distance Questions Overview

Height Amp Distance 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 Height Amp Distance Questions.

## Question

When a 50 decimeter long ladder is placed with the wall, it reaches upto the window only. If the window is 48 decimeter up from the land, then find out the distance of the lower face of the ladder from the wall.

Difficulty : Moderate

Average Time : 36 Seconds

Options :

1. 14 decimeter
2. 10 decimeter
3. 11 decimeter
4. 12 decimeter



## Solution

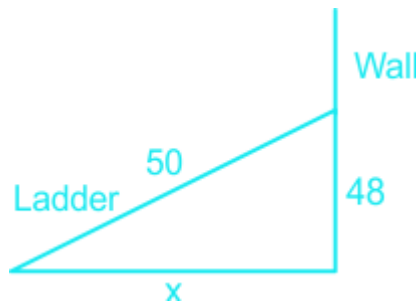
Correct Answer is **option 1** i.e. **14 decimeter**

Understanding	Application
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Given:

Ladder length = 50  
decimeter

Window is 48 decimeter  
up from the land



So,

$$x = (50^2 - 48^2)$$

$$x = (2500 - 2304)$$

$$x = 196$$

$$x = 14$$

$$x = 14 \text{ decimeter}$$

Distance of the lower face of  
the ladder from the wall = 14  
decimeter