## Properties of Triangles Ex 15.5 Q3

**Answer :**

Let the hypotenuse be "c" and the other two sides be "b" and "c".
Using the Pythagoras theorem, we can say that :

$c^2 = a^2 + b^2$

$2.5^2 = 1.5^2 + b^2$

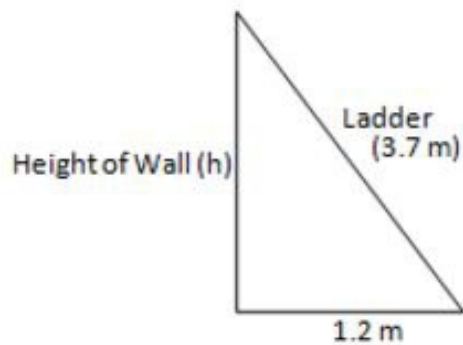$b^2 = 6.25 - 2.25 = 4$

$b = 2$

Hence, the length of the other side is 2 cm.

## Properties of Triangles Ex 15.5 Q4

**Answer :**



Height of Wall (h)   Ladder (3.7 m)   1.2 m

Let the hypotenuse be h.

Using the Pythagoras theorem, we get :

$3.7^2 = 1.2^2 + h^2$

$h^2 = 13.69 - 1.44 = 12.25$

$h = 3.5$

Hence, the height of the wall is 3.5 m.

\*\*\*\*\*\*\*\*\*\*\* END \*\*\*\*\*\*\*\*\*