



Properties of Triangles Ex 15.5 Q3

Answer :

Let the hypotenuse be "c" and the other two sides be "b" and "a".

Using the Pythagoras theorem, we can say that :

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

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

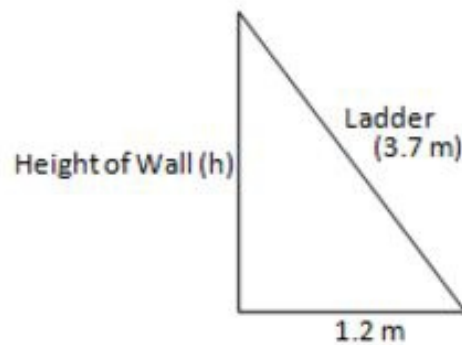
$$b^2 = 6.25 - 2.25 = 4$$

$$b = 2$$

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

Properties of Triangles Ex 15.5 Q4

Answer :



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 *****