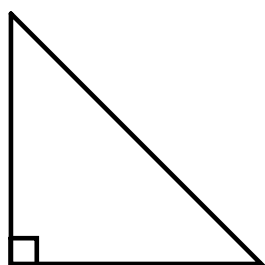


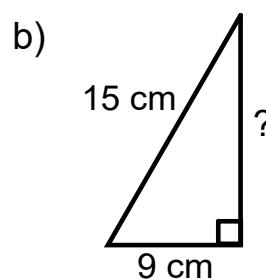
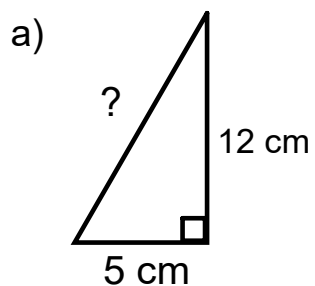
Pythagorean Theorem

- ↳ Pythagorean Theorem is a rule which states that, for any right triangle, the area of the square on the hypotenuse is equal to the sum of the area of the squares on the other two sides (legs).



Example 1

Find the length of the missing side in each diagram.



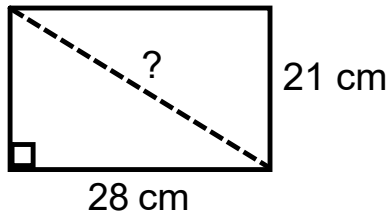
Example 2

A ladder is 6.1 m long. The distance from the base of the ladder to the wall is 1.5 m. How far up the wall will the ladder reach? Hint: Sketch a diagram.

Always ask yourself ...
does this answer make sense?

Example 3

The dimensions of a computer monitor are 28 cm by 21 cm. What is the length of the diagonal?



Work Book Questions

p.19 #13ac
p.20 #20a (careful with the scale!)
p.21 #9ab

Extra Practice Questions

p.19 #13bd
p.20 #20b (careful with the scale!)