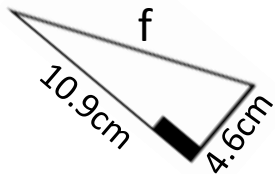
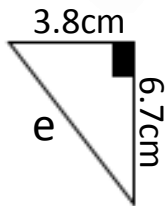
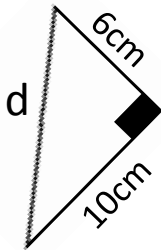
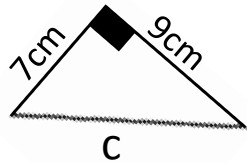
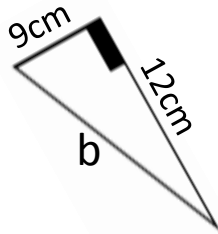
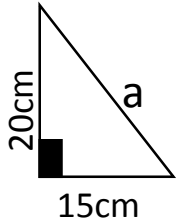


Pythagoras' Theorem

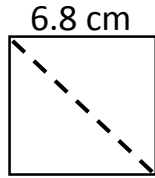
Literacy

- 1) What is twelve squared?
- 2) What is the square root of one hundred and twenty one?
- 3) What is four squared?
- 4) What is the square root of eighty one?
- 5) Approximately what will the square root of fifty two be and why?

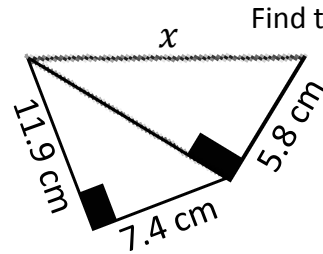
Skill 1



Stretch 1

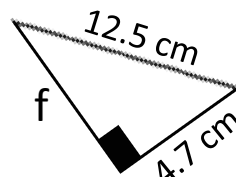
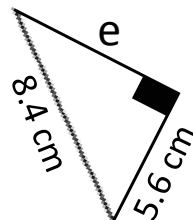
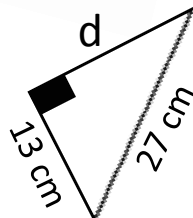
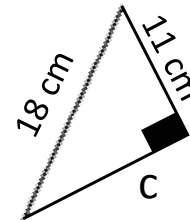
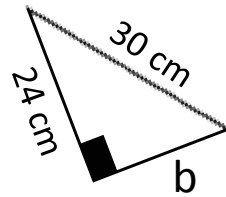
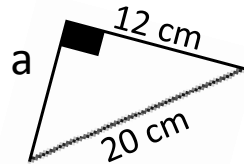


What is the length of the diagonal of this square?



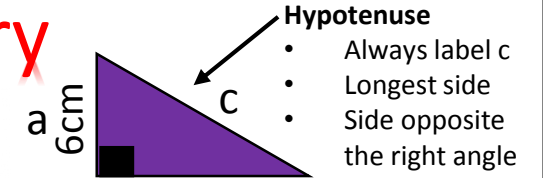
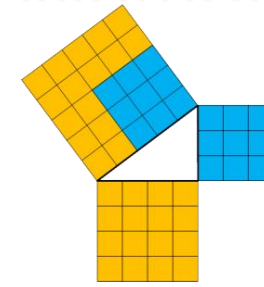
Find the missing length x .

Skill 2



www.missbsresources.com

Memory



- Always label c
- Longest side
- Side opposite the right angle

Example

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

$$6^2 + 8^2 = c^2$$

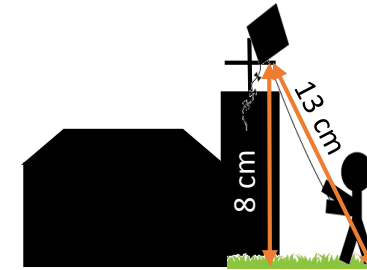
$$36 + 64 = c^2$$

$$c^2 = 100$$

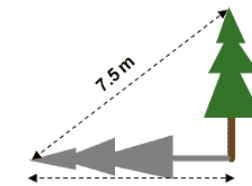
$$c = 10 \text{ cm}$$

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

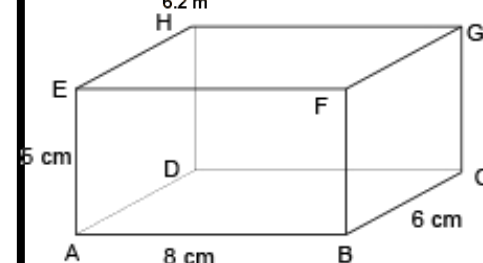
Stretch 2



Unfortunately Ben has got his kite stuck on the church cross. How far away from the church is Ben stood?



What is the height of the tree?



Find the length AG.