

Find the missing length x

**X is the hypotenuse c**

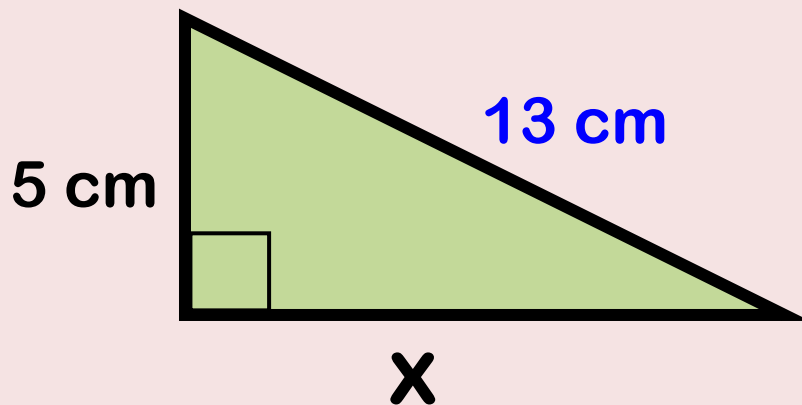
$$a^2 + b^2 = c^2$$

$$6^2 + 8^2 = x^2$$

$$36 + 64 = 100$$

$$x^2 = 100$$

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



Find the missing length x

**13 cm is the hypotenuse c**

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

$$x^2 + 5^2 = 13^2$$

$$x^2 + 25 = 169$$

$$x^2 = 144$$

$$x = 12 \text{ cm}$$