

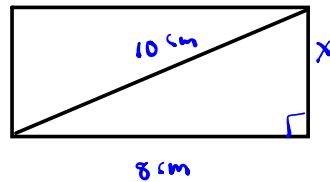
Warm Up

October 24, 2017

A 8 cm long rectangle has a diagonal length of 10cm.
(Draw a diagram)

a) What is the width of the rectangle?

b) What is the perimeter of the rectangle?



$$\begin{aligned} a^2 &= c^2 - b^2 \\ x^2 &= 10^2 - 8^2 \\ &= 100 - 64 \\ &= 36 \\ x &= \sqrt{36} \\ &= 6 \text{ cm} \end{aligned}$$

a) The width is 6 cm.

$$\begin{aligned} b) \quad p &= 2l + 2w \\ &= s_1 + s_2 + s_3 + s_4 \\ &= 8 + 6 + 8 + 6 \\ &= 28 \text{ cm} \end{aligned}$$

The perimeter is 28 cm.

3	4	5	Pythagorean Triplets
6	8	10	
33	56	65	
8	15	17	

Problems with the homework?

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MID-UNIT REVIEW:

MMS9

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