

4.19.16

Slot Area Review: Slot Quiz Friday

New Khan Academy: Due Saturday

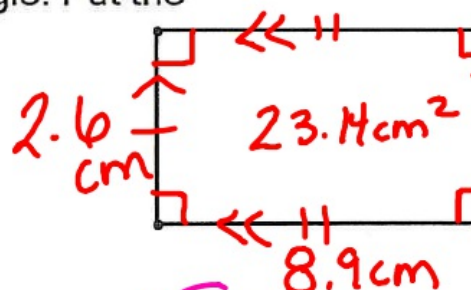
The area of the rectangle is 23.14 cm^2 and the length of the rectangle is 8.9 cm . Find the width and perimeter of the rectangle. Put the appropriate markings on the rectangle below.

$$A = \cancel{2} \cdot W \quad P = 2\cancel{2} + 2W$$

$$23.14 = \frac{8.9W}{8.9} \quad P = 2(8.9) + 2(2.6)$$

$$\boxed{2.6 \text{ cm} = W}$$

$$\boxed{P = 23 \text{ cm}}$$



The base of the triangle is 25.2 cm . The area of the triangle is 205.38 cm^2 . Find the height of the triangle. Put the appropriate markings on the triangle.

$$A = \frac{b \cdot h}{2} \quad \text{OR} \quad A = \frac{1}{2} \cdot b \cdot h$$

$$2 \cdot 205.38 = \frac{25.2 \cdot h}{1} \cdot 2$$

$$\frac{410.76}{25.2} = \frac{25.2h}{25.2}$$

$$\boxed{16.3 \text{ cm} = h}$$

OR

$$205.38 = \left(\frac{1}{2}\right) 25.2 \cdot h$$

$$\frac{205.38}{12.6} = \frac{12.6h}{12.6}$$

$$\boxed{16.3 \text{ cm} = h}$$

