

SECTION
10A

Ready to Go On? Skills Intervention

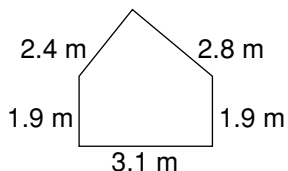
10-1 Perimeter

The **perimeter** of a figure is the distance around it.
To find the perimeter of a figure you can add the lengths of the sides.

Vocabulary
perimeter

Finding the Perimeter of a Polygon

Find the perimeter of the figure.



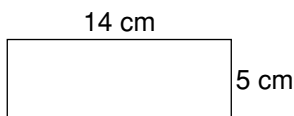
Add the lengths of each side.

$$2.4 + \underline{\hspace{1cm}} + 1.9 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

The perimeter is _____ meters.

Using a Formula to Find Perimeter

Find the perimeter P of the rectangle.



$$P = 2\ell + 2w$$

What will you substitute for ℓ ? _____

What will you substitute for w ? _____

$$P = (2 \cdot \underline{\hspace{1cm}}) + (2 \cdot \underline{\hspace{1cm}})$$

$$P = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$P = \underline{\hspace{1cm}}$$

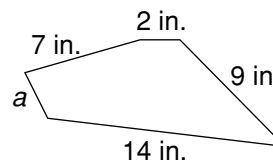
The perimeter is _____ centimeters.

Finding Unknown Side Lengths and the Perimeter of a Polygon

What is the length of side a if the perimeter equals 35 inches?

$P =$ sum of the side lengths

What values do you know?



$$\underline{\hspace{1cm}} = a + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$\underline{\hspace{1cm}} = a + \underline{\hspace{1cm}}$$

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = a + \underline{\hspace{1cm}} - \underline{\hspace{1cm}}$$

$$\underline{\hspace{1cm}} = a$$

Side a is _____ long.