Unit 2, Lesson 14

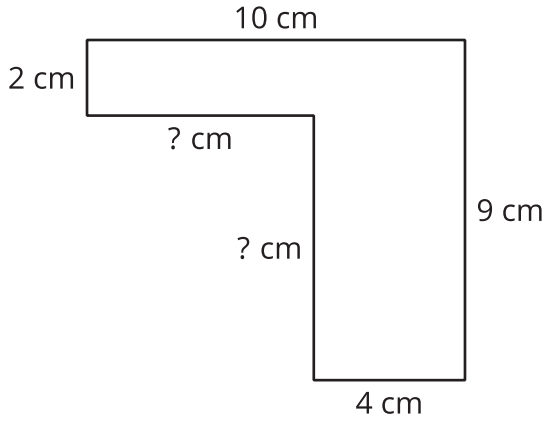
Find the Area of a Figure with Unknown Side Lengths

Let's find the area of a figure with unknown side lengths.

Warm-up

Notice and Wonder: Mystery Sides

What do you notice? What do you wonder?

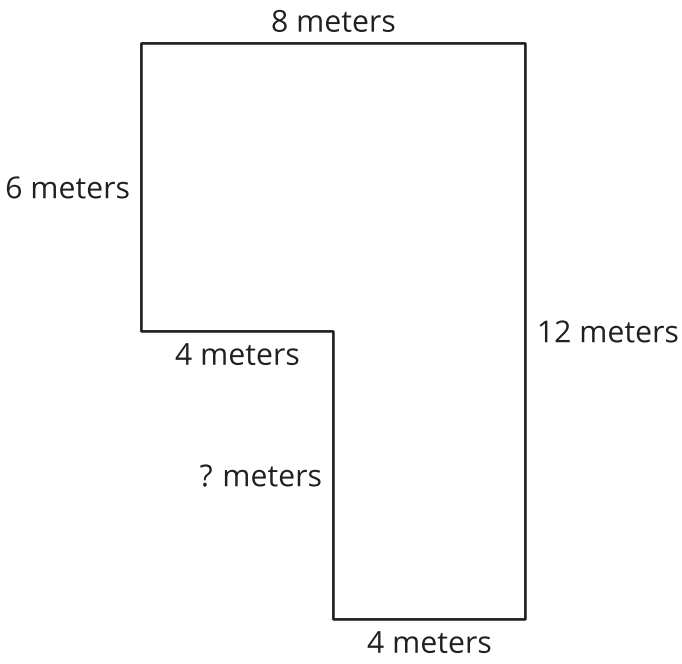


Activity 1

The Mystery Side

Tyler says that this figure's unknown side length is 5 meters because it looks longer than the sides that are 4 meters long.

Do you agree or disagree? Be prepared to explain your reasoning.

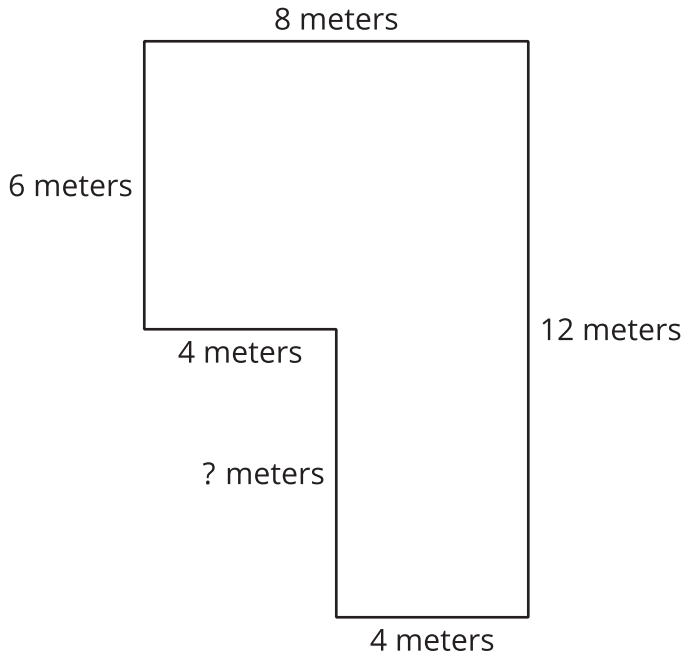


Activity 2

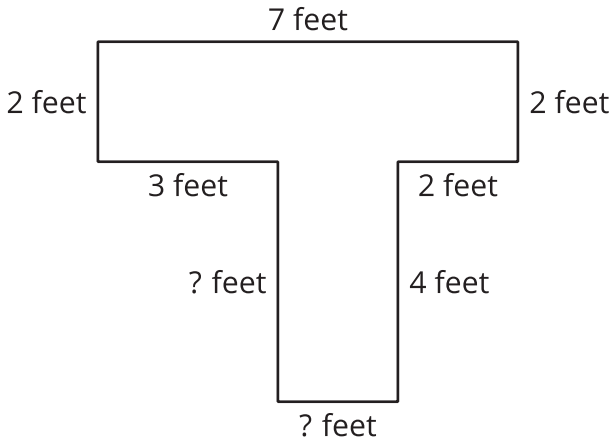
Practice with Mystery Sides

Find the area of each figure. Explain or show your reasoning.

A



B



Section C Summary

We found the area of a figure that can be decomposed, or broken apart, into rectangles. We added the areas of the rectangles to find the area of the entire figure.

We also found unknown side lengths of figures by using what we know about opposite sides of rectangles.

