

# MY Homework

## Lesson 2

### Perimeter

## Homework Helper



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The perimeter of the figure is 88 centimeters.  
Find the unknown side length.

Write an equation.

unknown

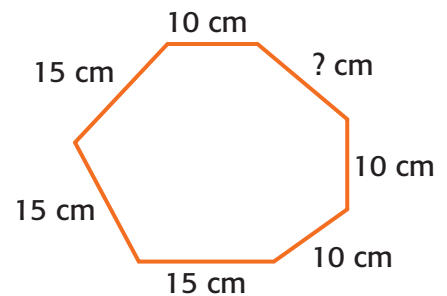
$$10 + 15 + 15 + 15 + 10 + 10 + ? = 88$$

$$75 + ? = 88$$

Add.

$$75 + 13 = 88$$

Think: 75 plus what number is 88?



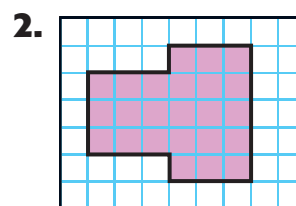
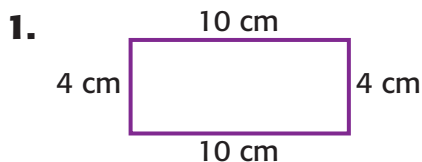
The unknown side length is 13 centimeters,  
since  $75 + 13 = 88$ .

**Check** Add the lengths of all the sides.

$$10 + 13 + 10 + 10 + 15 + 15 + 15 = 88$$

## Practice

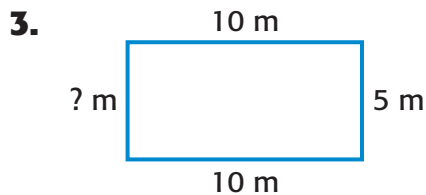
Find the perimeter of each figure.



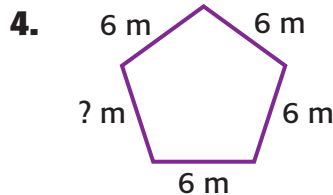
The perimeter is \_\_\_\_\_ centimeters.

The perimeter is \_\_\_\_\_ units.

**Algebra** Find the unknown side length for each figure. The perimeter of each figure is 30 meters.



The unknown is \_\_\_\_\_ meters.



The unknown is \_\_\_\_\_ meters.



## Problem Solving

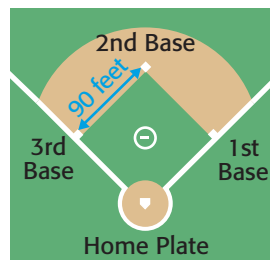
5. **Mathematical PRACTICE** **Use Algebra** A garden has eight equal sides and has a perimeter of 56 meters. Circle the equation that gives the length, in meters, of each side.

$56 + 8 = 65$

$56 - 8 = 48$

$56 \div 8 = 7$

6. All professional baseball teams' playing fields are the same size. The three bases and home plate make a diamond that is 90 feet on each side. What is the perimeter of the diamond?



\_\_\_\_\_

## Vocabulary Check



7. Describe perimeter in your own words.

\_\_\_\_\_  
\_\_\_\_\_

## Test Practice

8. What is the perimeter of the shaded figure?

(A) 18 units

(C) 10 units

(B) 20 units

(D) 9 units

