

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

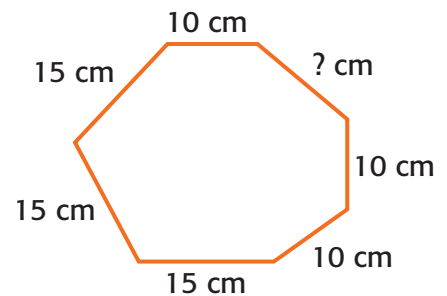
$$10 + 15 + 15 + 15 + 10 + 10 + ? = 88$$

$$75 + ? = 88$$

Add.

$$75 + 13 = 88$$

Think: 75 plus what number is 88?



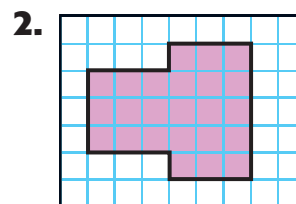
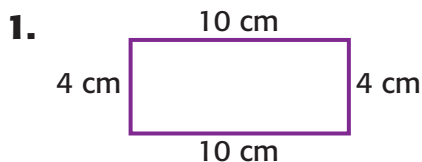
The unknown side length is 13 centimeters,
since $75 + 13 = 88$.

Check Add the lengths of all the sides.

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

Practice

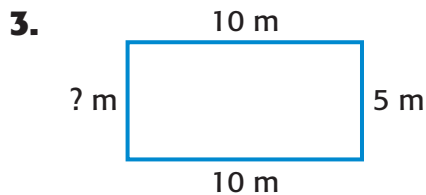
Find the perimeter of each figure.



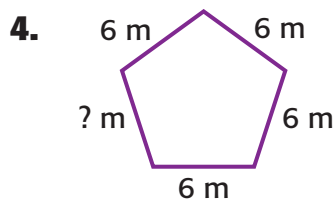
The perimeter is 28 centimeters.

The perimeter is 22 units.

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



The unknown is 5 meters.



The unknown is 6 meters.



Problem Solving

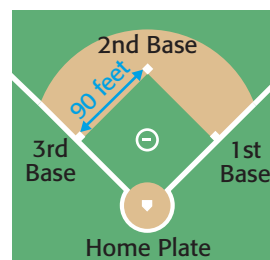
5. **Mathematical PRACTICE** **Use Algebra** A garden has eight equal sides and has a perimeter of 56 meters. Circle the equation that gives the length, in meters, of each side.

$56 + 8 = 65$

$56 - 8 = 48$

$56 \div 8 = 7$

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?



360 feet

Vocabulary Check



7. Describe perimeter in your own words.

Sample answer: Perimeter is the distance around a figure, or the sum of the side lengths.

Test Practice

8. What is the perimeter of the shaded figure?

- (A) 18 units (C) 10 units
(B) 20 units (D) 9 units

