Calculating Area

Measuring and calculating area is an easy, fun and important skill to learn. You have already learned how to find the area by counting carefully, but now we will begin to use a more **effective** and **efficient** strategy.

| Vocabulary	
Area	The measurement of the surface inside a shape or figure.
Formula	An equation that can be used to solve for something.
Width	The horizontal measurement of a quadrilateral figure.
Length	The vertical measurement of a quadrilateral figure.
Square Units	A length of measurement. A square whose edges all measure to 1 unit.

Counting Squares

This is the easiest strategy but also takes the longest.
1.   Look at your shape.
2.   Use your finger to count each square unit to determine the surface.
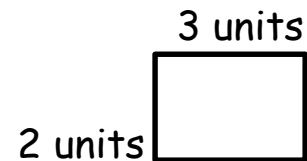
5 units

4 units
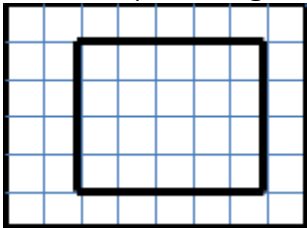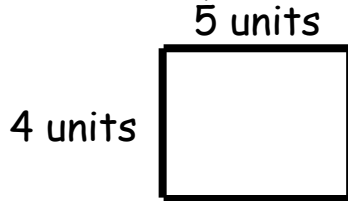
Area =

Area = _____
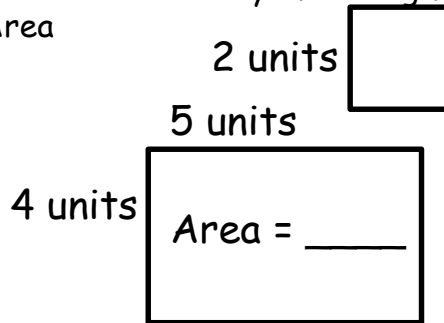
What is the area of the second quadrilateral?

Area Formula

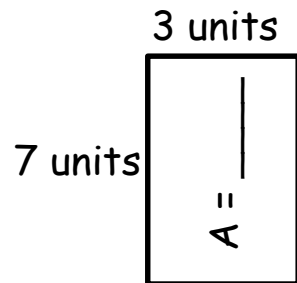The area formula is a more accurate way of solving for the area of a rectangle.
   Length x Width = Area

3 units

2 units

Area = _____

2 units

5 units

4 units

Area = _____

3 units

7 units

A =

Practice

5 units

1 unit

Area = _____

3 units

4 units

4 units
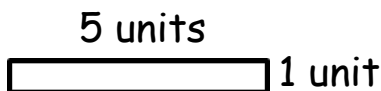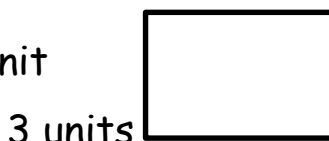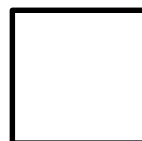
Calculating Perimeter

Measuring and calculating perimeter is also an easy, fun and important skill to learn. You have already learned how to find the perimeter by counting carefully, but now we will begin to use a more effective and efficient way.

Vocabulary	
Perimeter	The flat, open space between the edges of a figure.
Dimensions	A measurement of length in one direction. Flat shapes have two dimensions, length and width.
Units	A quantity used as a standard of measurement.
Congruent	Two objects that that have the same size and shape.

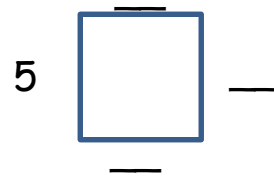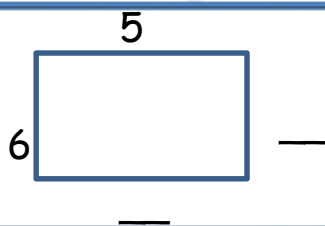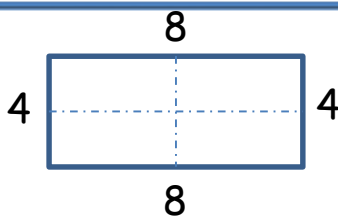# Counting Edges

This is the easiest strategy but also takes the longest.
1. Look at your shape.
2. Use your finger to count the units of each edge.

5 units

4 units
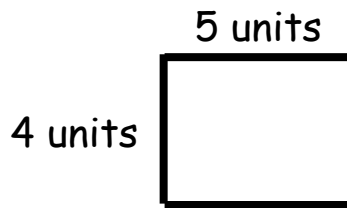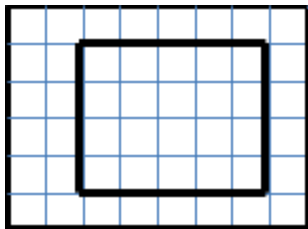
What is the perimeter of
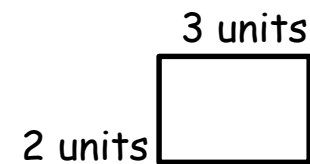The second quadrilateral?

Perimeter = _____

Find the Congruent Missing Sides

8

4   4

8

5

6   __

__

__

5   __

__

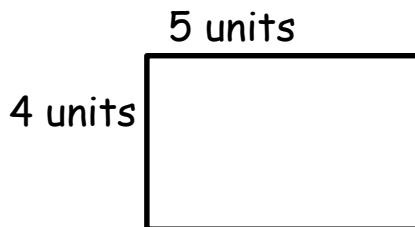# Perimeter Formula and Practice

The perimeter formula is a more accurate way of solving for the perimeter of a rectangle.

Length + Length + Width + Width = Perimeter

2 units

P = _____

3 units

3 units
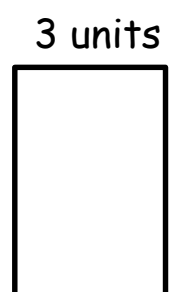
2 units

Perimeter = _____

5 units

4 units

Perimeter = _____

7 units

P = _____