

Dear Family,

During the next few weeks, our math class will be learning about geometry and measurement.

You can expect to see work that provides practice with identifying and classifying plane and solid figures, as well as work with finding perimeter, area, and volume.

As we learn about perimeter and area, you may wish to use the following as a guide.

### Vocabulary

**area** The number of square units in a region.

**cubic unit** A cube in which each edge is equal to a unit of measure.

**perimeter** The distance around a figure.

**polygon** A simple closed figure made up of three or more line segments.

**square unit** A square with sides one unit long.

**volume** The number of cubic units that fit inside a solid figure.

### Finding the Perimeter and Area of a Figure

Look at the figures below.

To find the **perimeter** of the rectangle, add the lengths of the sides.

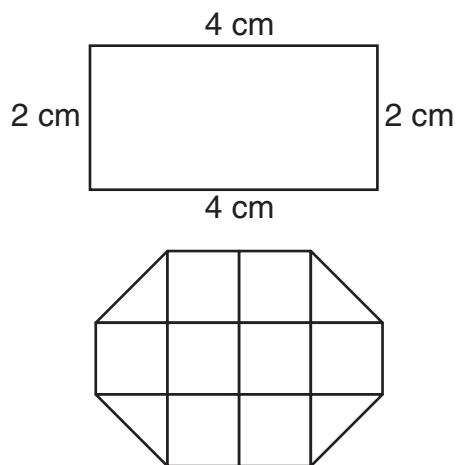
$$2 + 4 + 2 + 4 = 12$$

The perimeter is 12 centimeters.

To find the **area** of the octagon, count the square units. There are 8 whole square units. There are 4 half square units, which are equal to 2 whole square units.

$$8 + 2 = 10$$

There are 10 square units.



Knowing about geometric figures will help students understand the geometry that is all around them.

Sincerely,

Your Child's Teacher



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