

# Measurement

Name: \_\_\_\_\_

## Vocabulary Words

Match the definition to the correct vocabulary word.

- |  |                |
|--|----------------|
| ___ Determining the numerical value of an object's mass, temperature, volume, length, perimeter, or area | A. Length      |
| ___ The space inside of an object's outline (units of in <sup>2</sup> or cm <sup>2</sup> )               | B. Perimeter   |
| ___ The distance around an object (units of in or cm)  | C. Measurement |
| ___ The distance between two ends of an object (units of in or cm)                                       | D. Area        |

## Measuring Thanksgiving

What tool and units would you use to measure the following?

Measurement	Measurement Tool	Units
1. Perimeter of table cloth		
2. Area of table cloth		
3. Volume of gravy in gravy boat		
4. Temperature of turkey in oven		
5. Volume of vanilla used in cookies		
6. Mass of Uncle Joe after dinner		

## Frog Jump

Nic, Cen, Brian, and Todd wanted to see whose frog could jump the farthest. **In inches**, use a ruler to measure each line to find out how far each frog jumped. Lisa, Helen, Michelle, and Katie also had their frogs compete. **In centimeters**, measure their jumping distances.

**Inches**

1<sup>st</sup> \_\_\_\_\_  
 2<sup>nd</sup> \_\_\_\_\_  
 3<sup>rd</sup> \_\_\_\_\_  
 4<sup>th</sup> \_\_\_\_\_

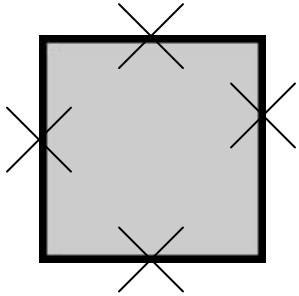
**Centimeters**

1<sup>st</sup> \_\_\_\_\_  
 2<sup>nd</sup> \_\_\_\_\_  
 3<sup>rd</sup> \_\_\_\_\_  
 4<sup>th</sup> \_\_\_\_\_

## Perimeter vs. Area

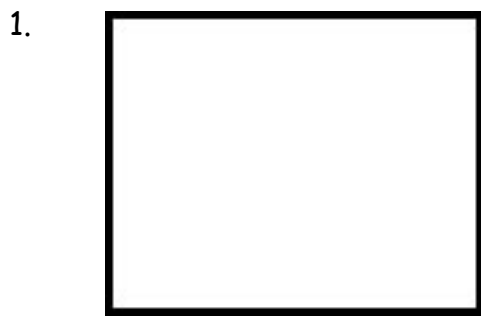
For each object below, put crosses on the object's perimeter and color the object's area. Measure the perimeter of the objects using centimeter units. Find the object's area.

Example:



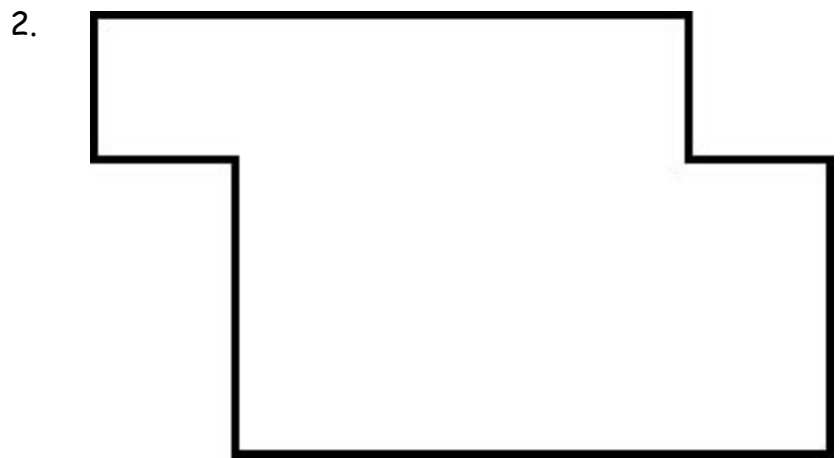
$$\text{Perimeter} = 3 \text{ cm} + 3 \text{ cm} + 3 \text{ cm} + 3 \text{ cm} = 4 \times 3 \text{ cm} = 12 \text{ cm}$$

$$\text{Area} = \text{length} \times \text{width} = 3 \text{ cm} \times 3 \text{ cm} = 9 \text{ cm}^2$$



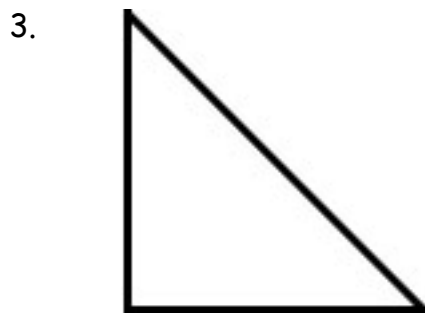
Perimeter \_\_\_\_\_

Area \_\_\_\_\_



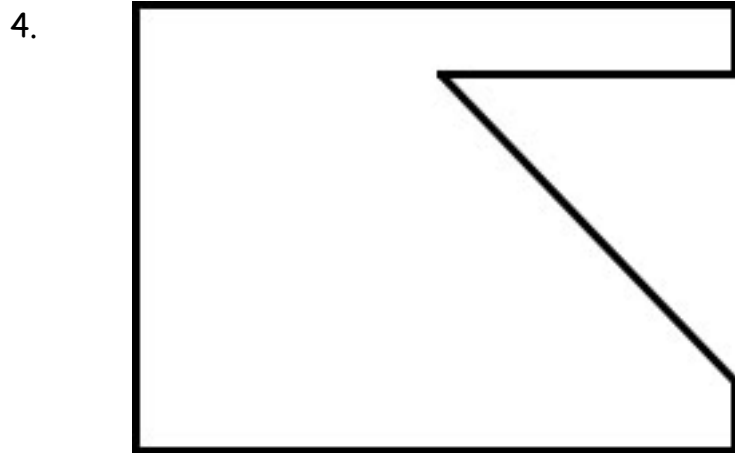
Perimeter \_\_\_\_\_

Area \_\_\_\_\_



Perimeter \_\_\_\_\_

Area \_\_\_\_\_



Perimeter \_\_\_\_\_

Area \_\_\_\_\_