

## Indicators

### Objective:

**2.01 Estimate and measure length, perimeter, area, angles, weight, and mass of two- and three-dimensional figures, using appropriate tools.**

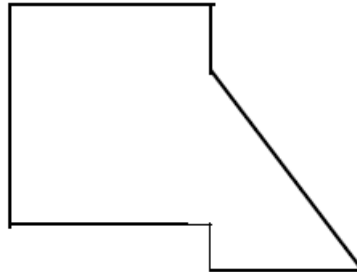
#### Vocabulary and Resources

protractor  
degree  
vertex  
acute angle  
obtuse angle  
right angle  
complementary angles  
supplementary angles  
balance scale  
metric system

meters  
centimeters  
kilometers  
grams  
kilograms  
customary system  
feet  
inches  
yards

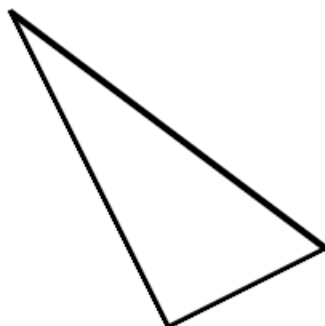
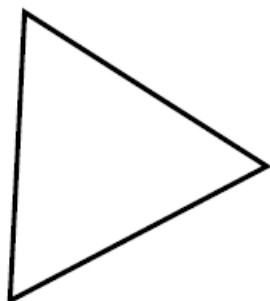
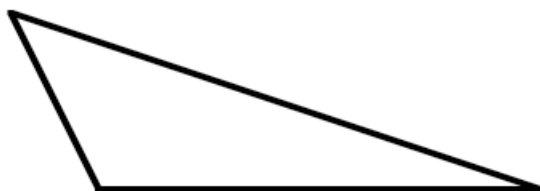
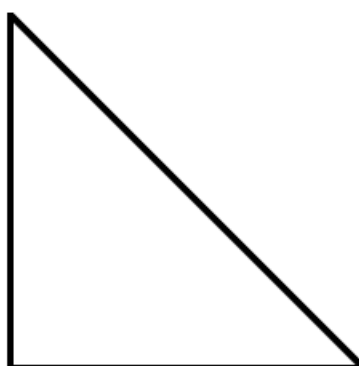
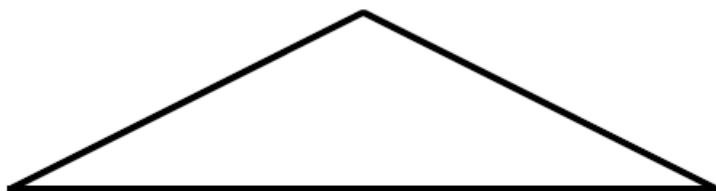
miles  
ounces  
pounds  
square units  
parallelogram  
triangle  
trapezoid  
height  
altitude

**A.** Use your centimeter ruler to determine the perimeter and area of each figure below.



**B.** For the triangles below give the measures of the angles and the sides. Determine if the triangle is

- right, obtuse, or acute
- equilateral, isosceles, or scalene



C. Using a protractor, measure each angle in each figure below. State whether each angle is acute, obtuse or right.

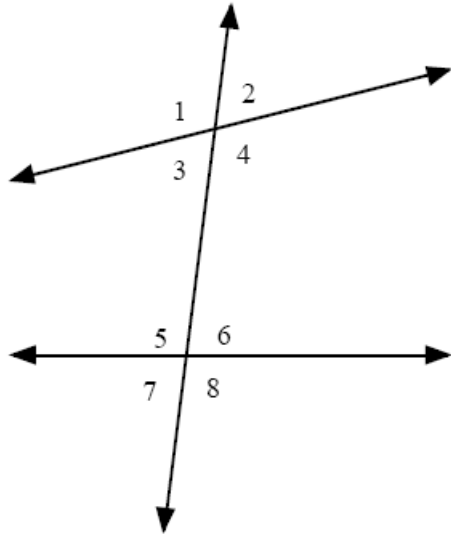


Figure 1

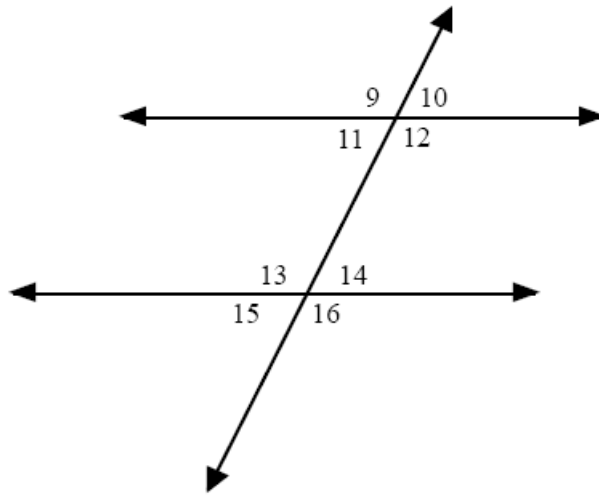


Figure 2

- D.** Find containers that are represented by the shapes below.
- Measure the dimensions of each container.
  - Measure the mass of each empty container .
  - Estimate what mass of rice would be needed to fill each container.
  - Plan a strategy to find the actual mass of the rice .
  - Compute the actual mass of the rice needed to fill the container.



Figure A

Length \_\_\_\_\_  
Width \_\_\_\_\_  
Height \_\_\_\_\_  
Mass \_\_\_\_\_

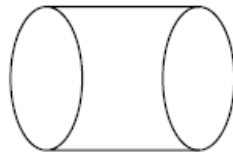


Figure B

Radius \_\_\_\_\_  
Diameter \_\_\_\_\_  
Height \_\_\_\_\_  
Circumference \_\_\_\_\_  
Mass \_\_\_\_\_

Estimated mass of rice \_\_\_\_\_

Estimated mass of rice \_\_\_\_\_

Actual mass of rice \_\_\_\_\_

Actual mass of rice \_\_\_\_\_