

## Activity for Congruent Figures

Objective: Students will identify congruent polygons

Tools Needed: Digital cameras or old magazines or internet image search

### **Procedure:**

- ◇ First create vocabulary cards for the following words:  
(triangle, quadrilateral, pentagon, hexagon, parallelogram, rectangle, rhombus, square, trapezoid, scalene triangle, isosceles triangle and right triangle.)
- ◇ Collect images of congruent figures to represent as many of the words on the cards as possible.
- ◇ **Final Assessment:** Create a display of your congruent figures and share with the class. Creativity and finding as many different examples as possible are important.

Polygon Riddles:

What Quadrilateral ....

1. has opposite sides congruent, right angles
2. has 4 congruent sides
3. has 4 congruent sides and 4 right angles
4. has one pair of parallel sides.

What type of quadrilateral? \_\_\_\_\_

What Triangle ....

1. has one right angle
2. has no sides of equal length.

What type of triangle? \_\_\_\_\_ triangle.

1. has three acute angles
2. has two sides of equal length.

What type of triangle? \_\_\_\_\_ triangle.