1. How many sides does an octagon have? ______________
2. How many angles does a triangle have? ______________
3. Does a rectangle have more sides or angles? ______________
4. How many sides does a pentagon have? ______________
5. Which has more sides: a hexagon or a pentagon? ______________
6. How many pairs of parallel lines does a trapezoid have? ______________
7. How many pairs of parallel lines does a square have? ______________
8. How many pairs of parallel lines does a triangle have? ______________
9. What polygon has 6 sides and 6 angles? ______________

10. Name four types of quadrilaterals.
    ______________, ______________, ______________, ______________

11. Does a polygon usually have more sides or more angles? Explain.
    ____________________________________________________________________
    ____________________________________________________________________

12. Is a cube a polygon? Why or why not?
    ____________________________________________________________________
    ____________________________________________________________________
ANSWER KEY

Polygons

1. How many sides does an octagon have?  
   eight

2. How many angles does a triangle have?  
   three

3. Does a rectangle have more sides or angles?  
   same number (four)

4. How many sides does a pentagon have?  
   five

5. Which has more sides: a hexagon or a pentagon?  
   hexagon

6. How many pairs of parallel lines does a trapezoid have?  
   one

7. How many pairs of parallel lines does a square have?  
   two

8. How many pairs of parallel lines does a triangle have?  
   zero

9. What polygon has 6 sides and 6 angles?  
   hexagon

10. Name four types of quadrilaterals.  
    square, rectangle, parallelogram, rhombus

11. Does a polygon usually have more sides or more angles? Explain.  
    A polygon has the same number of sides and angles because they are closed figures with non-intersecting lines.

12. Is a cube a polygon? Why or why not?  
    A cube is not a polygon. Polygons are flat, plane figures. A cube is a 3-dimensional solid figure.