

Name: _____

Polygons

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?

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ANSWER KEY

Polygons

1. How many sides does an octagon have? **8 sides**
2. How many angles does a triangle have? **3 angles**
3. Does a rectangle have more sides or angles? **the same number of each**
4. How many sides does a pentagon have? **5 sides**
5. Which has more sides: a hexagon or a pentagon? **hexagon (6 sides)**
6. How many pairs of parallel lines does a trapezoid have? **1 pair**
7. How many pairs of parallel lines does a square have? **2 pair**
8. How many pairs of parallel lines does a triangle have? **none**
9. What polygon has 6 angles? **hexagon**
10. Name four types of quadrilaterals.
**Accept any four:
square, rectangle, rhombus, parallelogram, diamond, trapezoid**
11. Does a polygon usually have more sides or more angles? Explain.
A polygon has the same number of sides and angles.
12. Is a cube a polygon? Why or why not?
**No, a cube is not a polygon. A cube is a 3-dimensional, solid figure.
A polygon must be a flat, plane figure made up on line segments.**