

POLYGONS

Polygons are shapes made up of line segments that form a closed path. Polygons are given names like octagon, decagon, and hexagon which are based on the number of line segments that make the shape.

QUADRILATERALS

Quadrilaterals are four-sided polygons. Some quadrilaterals are found so often in nature and in man-made objects that they are given special names such as square, rectangle, parallelogram, rhombus, and trapezoid based on properties defined for the shape.

Polygons

Polygon – a closed figure made up of three or more line segments.

| Polygon | Number of Sides |
|---------------|-----------------|
| Triangle | 3 |
| Quadrilateral | 4 |
| Pentagon | 5 |
| Hexagon | 6 |
| Heptagon | 7 |
| Octagon | 8 |
| Nonagon | 9 |
| Decagon | 10 |
| Dodecagon | 12 |

Triangle

Quadrilateral

Heptagon

Nonagon

Pentagon

Hexagon

Octagon
Regular polygon has all sides and all angles congruent.

Decagon

Dodecagon

Quadrilaterals

A quadrilateral is a polygon with four sides.

Some quadrilaterals are given other names because of the special angles and line segments that make up the shape.

