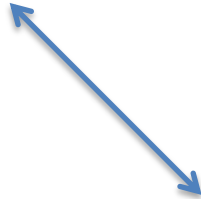# Diagonal

Example: the line drawn between opposite corners of a quadrilateral.
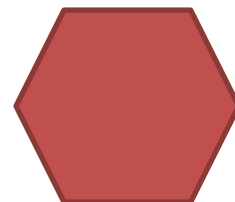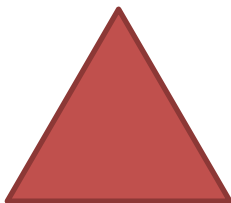
Perimeter

Boundary or length of the boundary of a two-dimensional shape.

Regular polygon

Polygon whose side lengths and interior angles are all equal.
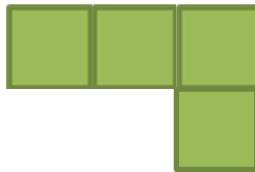
Tessellate

To tile a plane without gaps or overlaps.

Tetromino

A shape composed of four squares that are connected so that every square shares at least one side with another square.

Area

The measurement of two-dimensional space in a bounded region.

Area

Attribute

Any characteristic of a shape, including properties and other defining characteristics.

Example: straight sides and non-defining characteristics such as the color blue.
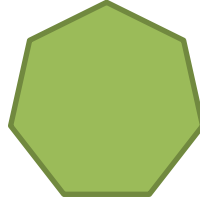
Compose

Put two or more objects or numbers together.

Decompose

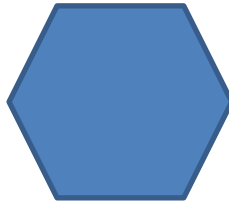Break an object or number into smaller parts.

Heptagon

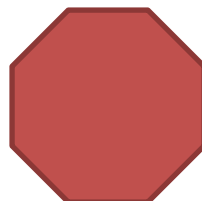Flat figure enclosed by seven straight sides and seven angles.

Hexagon

Flat figure enclosed by six straight sides and six angles.

Octagon

Flat figure enclosed by eight straight sides and eight angles.

Parallel

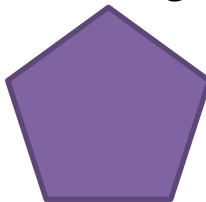Lines that do not intersect, even when extended in both directions.

Parallelogram

A quadrilateral with both pairs of opposite sides parallel.

Pentagon

Flat figure enclosed by five straight sides and five angles.

Polygon

A closed figure with three or more straight sides.

Example: triangle, quadrilateral, pentagon, hexagon

Quadrilateral

A four-sided polygon.

Example: square, rhombus, rectangle, parallelogram, trapezoid

Rectangle

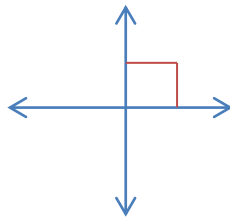Flat figure enclosed by four straight sides, having four right angles.

Rhombus

Flat figure enclosed by four straight sides of the same length.

Right angle

Example: a square corner.

Square

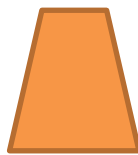Rectangle with four sides of the same length.

Tangram

Special set of puzzle pieces with five triangles and two quadrilaterals that compose a square.

Trapezoid

Quadrilateral with at least one pair of parallel sides.

Triangle

Flat figure enclosed by three straight sides and three angles.