angle

A figure formed by 2 rays with the same endpoint.
The number of square units in a region.

The area of this figure is 8 square units.
circle

A plane figure that forms a closed path so that all points on the path are the same distance from a point called the center.
cone

A solid figure with one circular flat surface and one curved surface.
congruent figures

Figures that have the same size and shape.
cube

A solid figure that has six square faces of equal size.
cubic unit

A cube used to measure volume. Each edge is equal to a unit of measure.
cylinder

A solid figure with two congruent, circular faces and one curved surface.
diagonal

A line segment connecting two vertices of a polygon that are not next to each other.

Examples:

diagonal
diagonal
edge

The line segment where the faces of a solid figure meet.
equilateral triangle

A triangle that has three congruent sides.
face

A flat surface of a solid figure.
flip

FLIP

To turn something over, front to back.
hexagon

A six-sided plane figure.
intersecting lines

Lines that cross each other.
irregular polygon

A polygon whose sides are not all the same length, or whose angles are not all the same measure.

Examples:
isosceles triangle

A triangle that has two congruent sides.
line

A straight path that goes on forever in opposite directions.
line of symmetry

The line on which a figure can be folded so that the two halves match exactly.
line segment

Part of a line. A line segment has two endpoints.
A pattern that can be cut out and folded to form a solid figure.
octagon

An eight-sided plane figure.
parallel lines

Lines that do not intersect.
parallelogram

A quadrilateral whose opposite sides are parallel.
pentagon

A five-sided plane figure.
perimeter

The distance around a plane figure.

Example: The perimeter of this rectangle is 6 inches.
perpendicular lines

Lines that intersect at right angles.
plane figure

A geometric figure that has two dimensions.
polygon

A simple, closed plane figure made up of three or more line segments.

Examples:
A solid figure whose base is a polygon and whose other faces are triangles with a common vertex.
quadrilateral

A polygon with four sides.
ray

A part of a line that has one endpoint and
goes on forever in one direction.
rectangle

A quadrilateral with 4 right angles.
rectangular prism

A solid figure whose faces are all rectangular.
regular polygon

A polygon whose sides are all the same length, and whose angles are the same measure.

Examples:
right angle

An angle that measures 90°.
right triangle

A triangle with one right angle.
scalene triangle

A triangle with sides of all different lengths.
A line segment that is part of a polygon.
similar

Having the same shape, but not necessarily the same size.

Example
slide

Moving a figure along a line.
solid figures

Figures that have three dimensions.

Examples:

- Rectangular Prism
- Cube
- Sphere
- Cone
- Cylinder
- Pyramid
sphere

A solid figure that is shaped like a round ball.
square

A rectangle with four equal sides and four right angles.
symmetry

A figure has symmetry if it can be folded along a line so that the two parts match exactly.
triangle

A three-sided plane figure.
To rotate a figure around a point.
vertex (vertices)

A point common to two sides of a polygon or the edges of a solid figure.

Examples:
volume

The number of cubic units that fit inside a solid figure.

The volume of this solid figure is 8 cubic units.