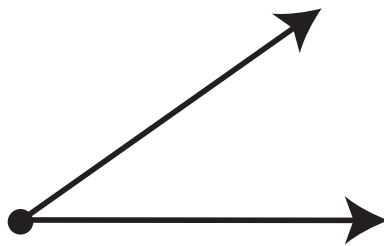


angle



A figure formed by 2 rays with the same endpoint.

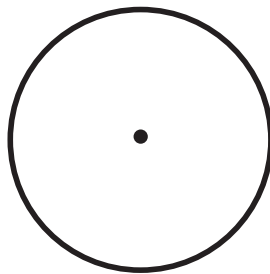
area

The number of square units in a region.



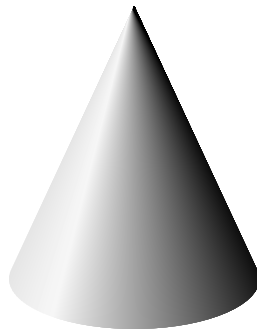
The area of this figure is 8 square units.

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.

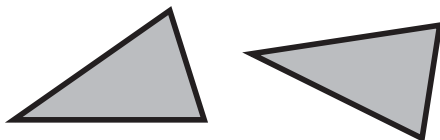
cone



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

congruent figures

Figures that have the same size and shape.

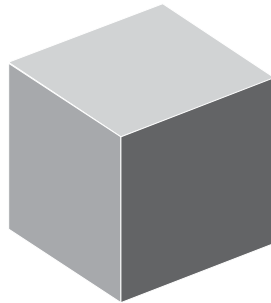


cube



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

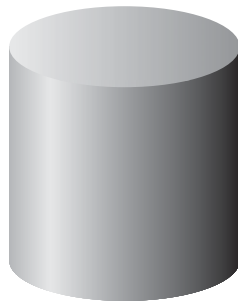
cubic unit



1 cubic unit

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

cylinder

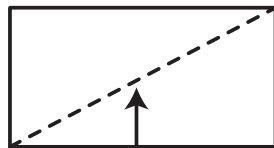


A solid figure with two congruent, circular faces
and one curved surface.

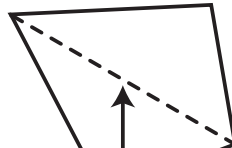
diagonal

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

Examples:

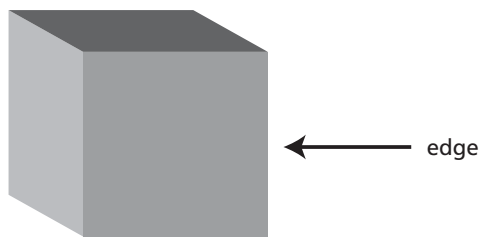


diagonal



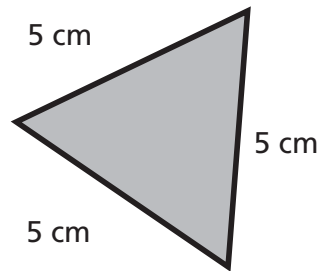
diagonal

edge



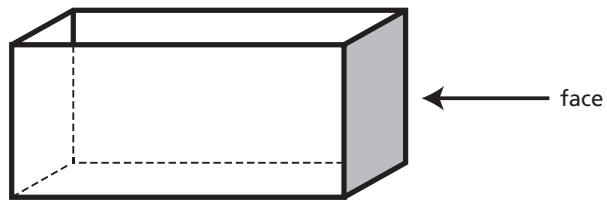
The line segment where the faces of a solid figure meet.

equilateral triangle



A triangle that has three congruent sides.

face



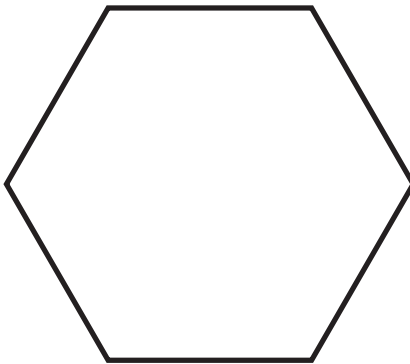
A flat surface of a solid figure.

flip

ƆIꞥ FLIP

To turn something over, front to back.

hexagon



A six-sided plane figure.

intersecting lines

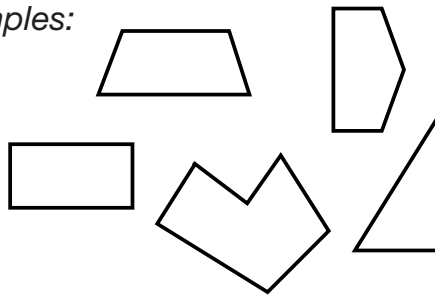


Lines that cross each other.

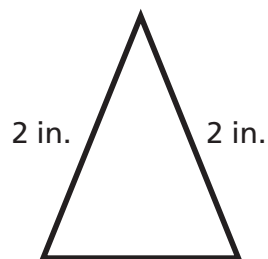
irregular polygon

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

Examples:



isosceles triangle



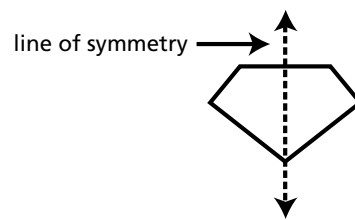
A triangle that has two congruent sides.

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.

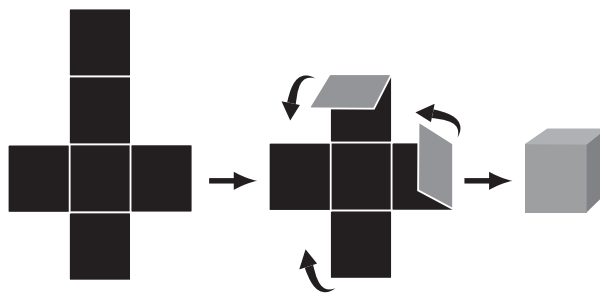
line segment



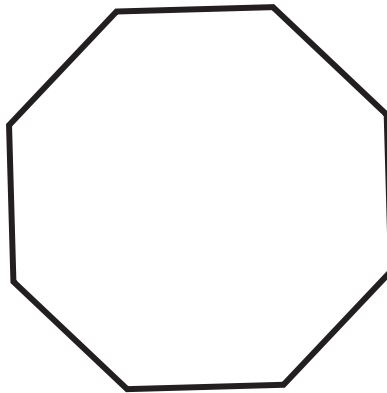
Part of a line. A line segment has two endpoints.

net

A pattern that can be cut out and folded to form a solid figure.



octagon



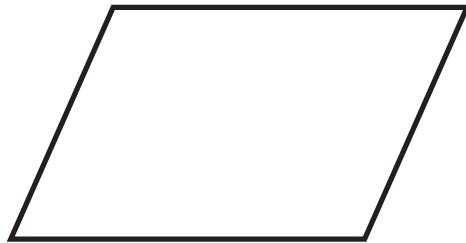
An eight-sided plane figure.

parallel lines



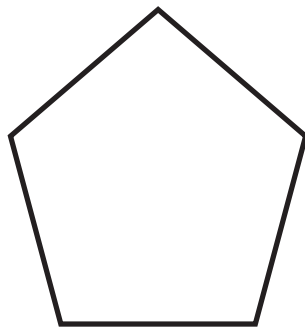
Lines that do not intersect.

parallelogram



A quadrilateral whose opposite sides are parallel.

pentagon

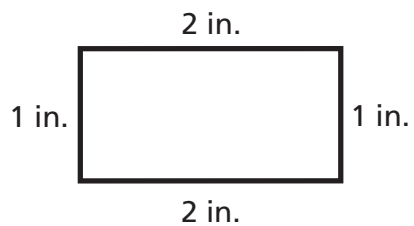


A five-sided plane figure.

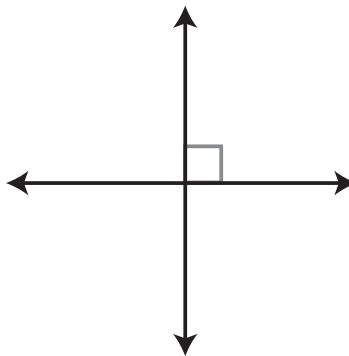
perimeter

The distance around a plane figure.

Example: The perimeter of this rectangle is 6 inches.



perpendicular lines



Lines that intersect at right angles.

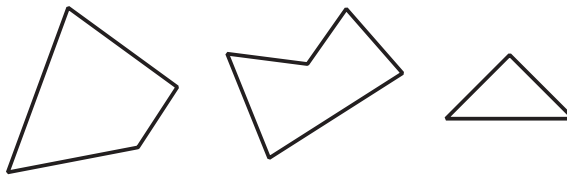
plane figure

A geometric figure that has two dimensions.

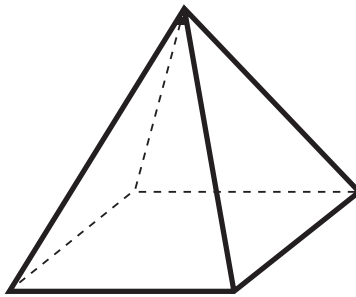
polygon

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

Examples:

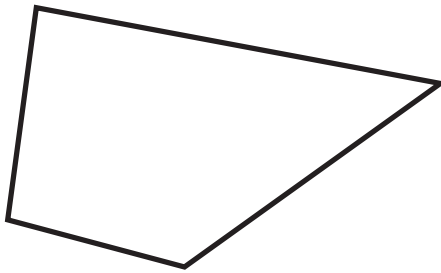


pyramid



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

quadrilateral



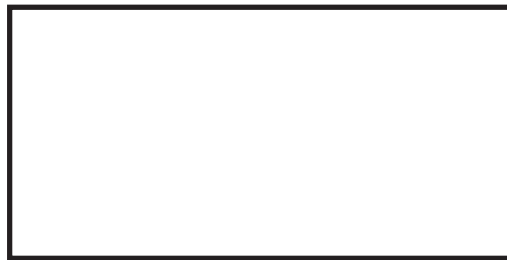
A polygon with four sides.

ray



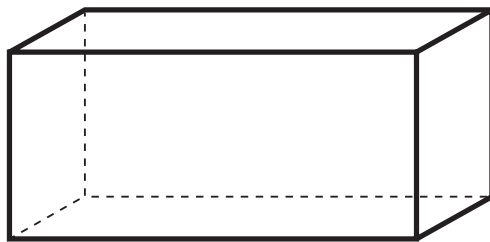
A part of a line that has one endpoint and goes on forever in one direction.

rectangle



A quadrilateral with 4 right angles.

rectangular prism

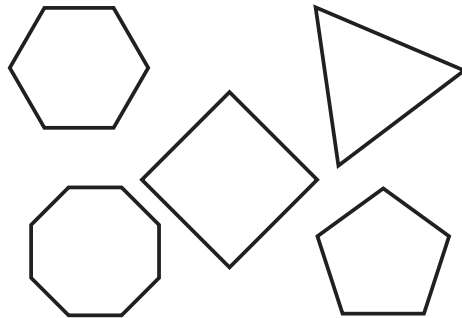


A solid figure whose faces are all rectangular.

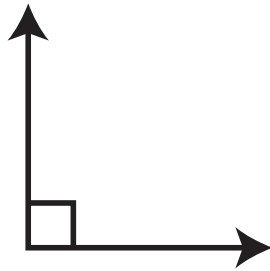
regular polygon

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

Examples:

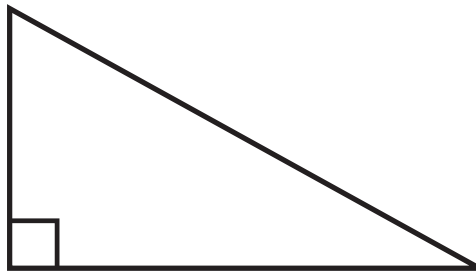


right angle



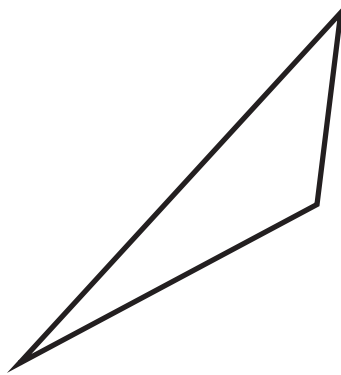
An angle that measures 90° .

right triangle



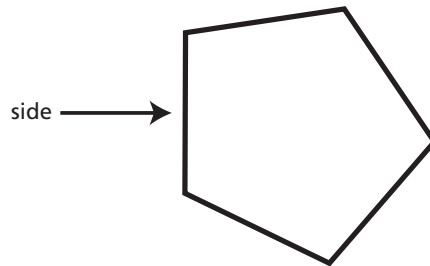
A triangle with one right angle.

scalene triangle



A triangle with sides of all different lengths.

side

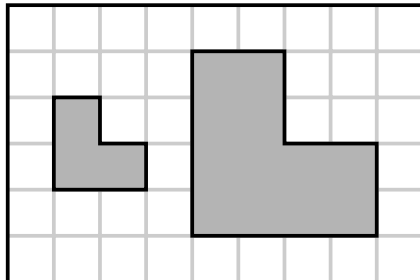


A line segment that is part of a polygon.

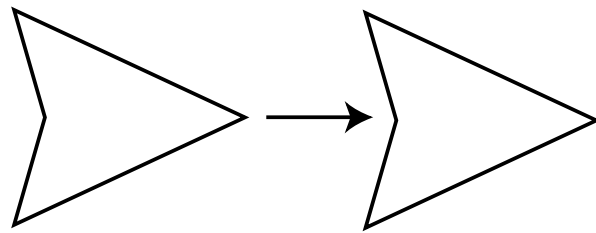
similar

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

Example



slide

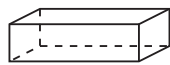


Moving a figure along a line.

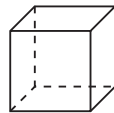
solid figures

Figures that have three dimensions.

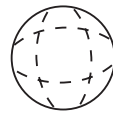
Examples:



Rectangular Prism



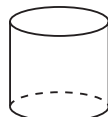
Cube



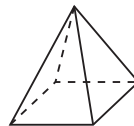
Sphere



Cone



Cylinder



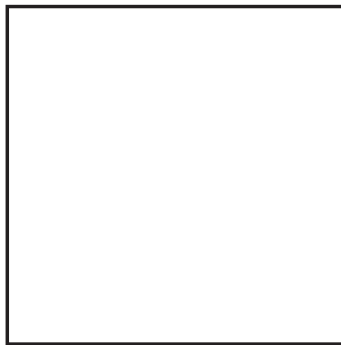
Pyramid

sphere



A solid figure that is shaped like a round ball.

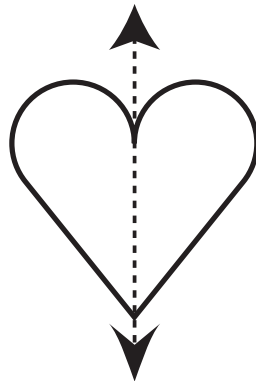
square



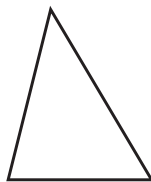
A rectangle with four equal sides and four right angles.

symmetry

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

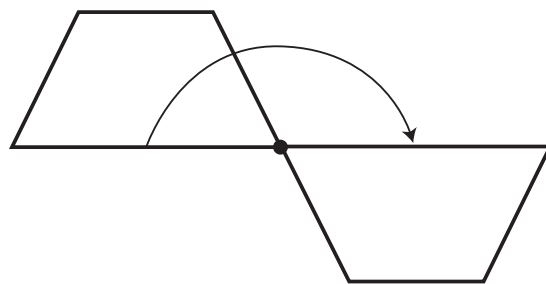


triangle



A three-sided plane figure.

turn



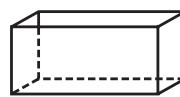
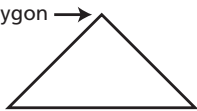
To rotate a figure around a point.

vertex (vertices)

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

Examples:

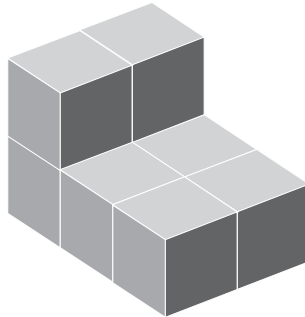
vertex of a polygon →



← vertex of a
solid figure

volume

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



The volume of this solid figure is 8 cubic units.