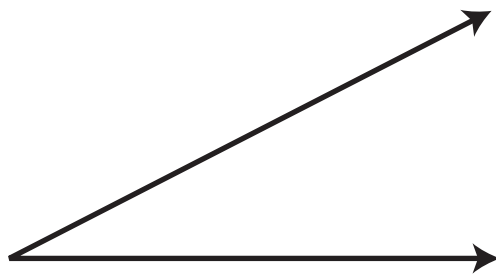
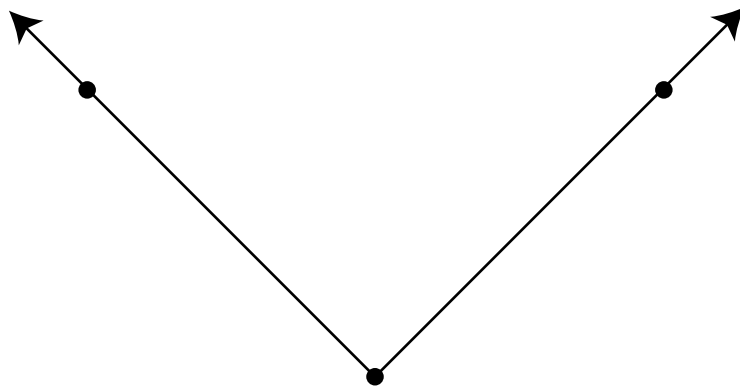


acute angle



An angle with a measure less than that of a right angle.

angle

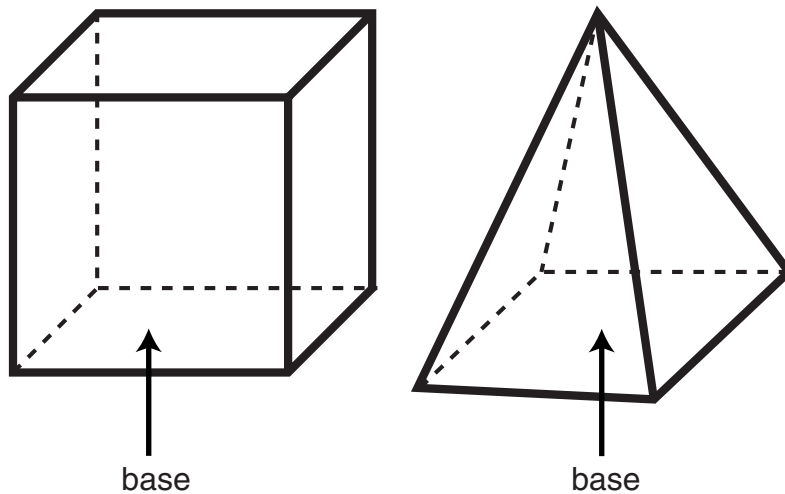


An angle is formed by two rays with a common end point.

area

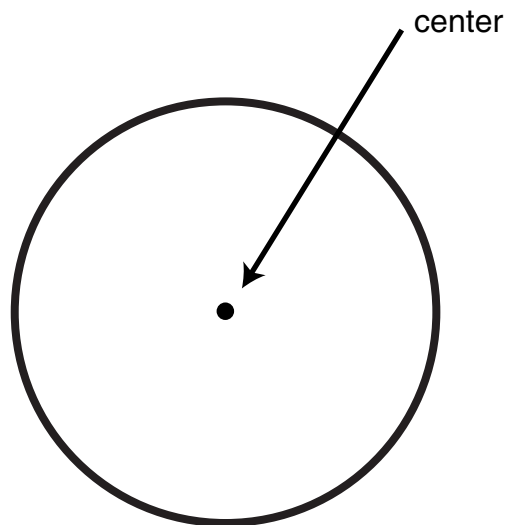
The number of square units that cover a surface with no overlap.

base of a geometric figure



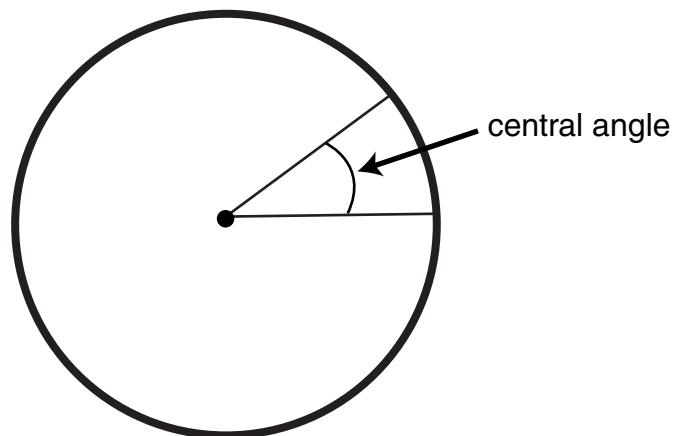
A bottom side or face of a geometric figure.

center (of a circle)



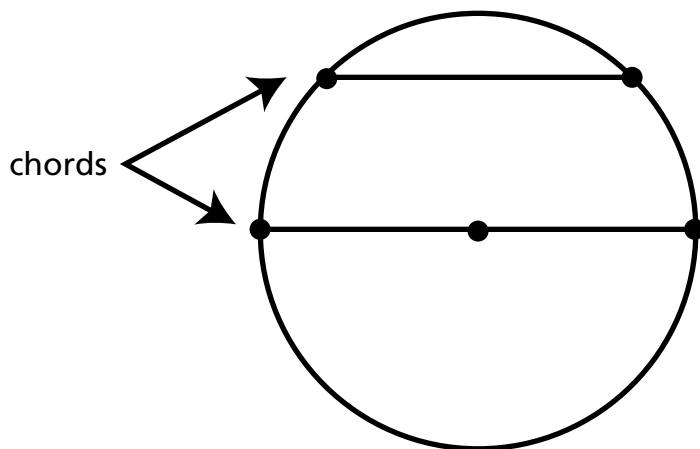
A point that is the same distance from all points on a circle.

central angle



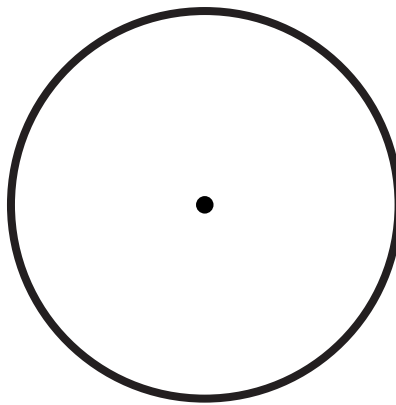
An angle with a vertex at the center of a circle.

chord



Any segment within a circle that connects two points on the circle.

circle

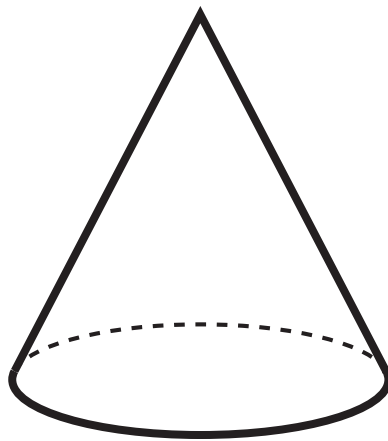


A closed figure in which every point is the same distance from a given point called the center of the circle.

circumference

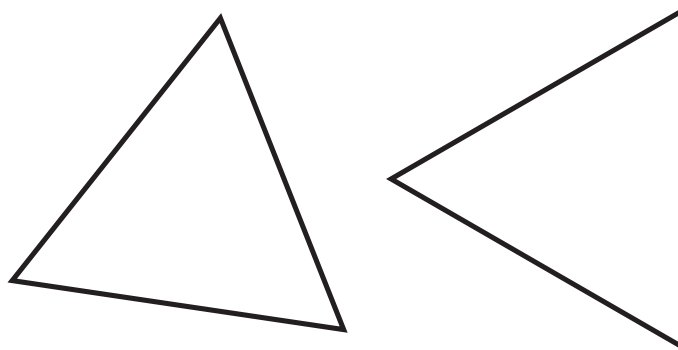
The distance around a circle.

cone



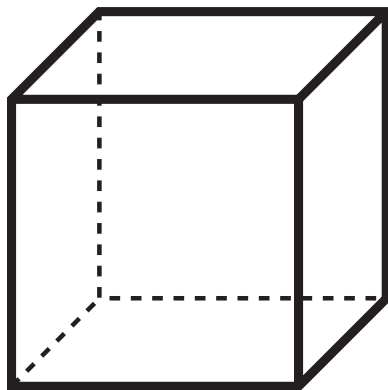
A solid that has a circular base and a surface from a boundary of the base to the vertex.

congruent



Figures having the same size and shape.

cube

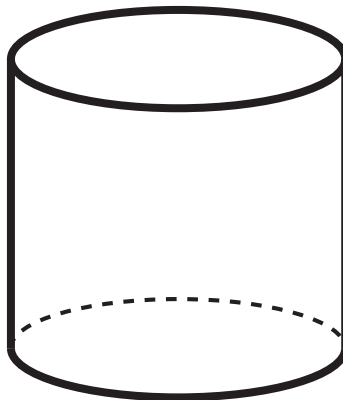


A solid figure that has six square faces of equal size.

cubic unit

A cube with all edges one unit long.

cylinder

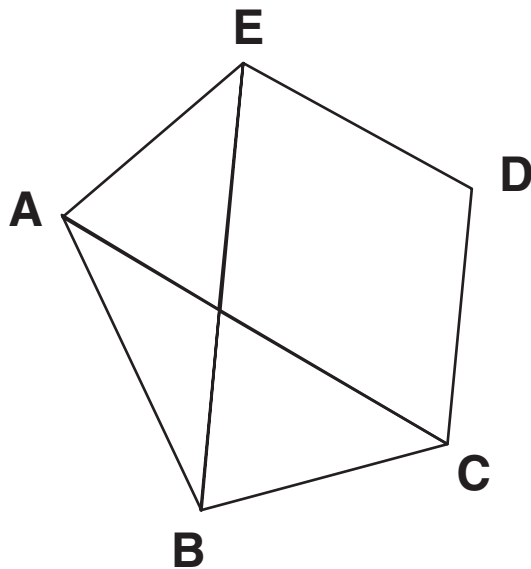


A solid with two circular faces that are congruent and a cylindrical surface connecting the two faces.

degree

A unit used to describe angle measures. Its symbol is $^{\circ}$.

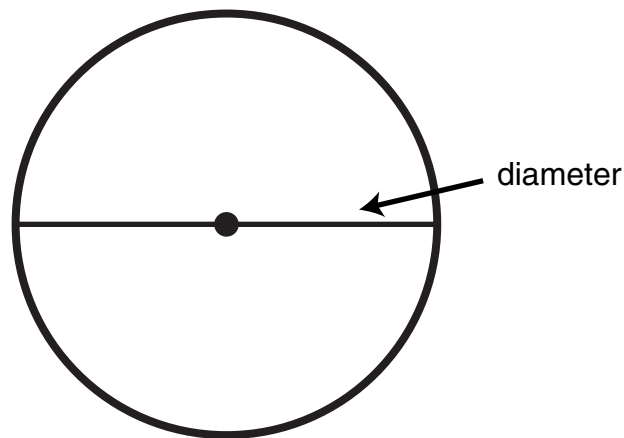
diagonal



\overline{AC} and \overline{BE} are
diagonals for
the pentagon.

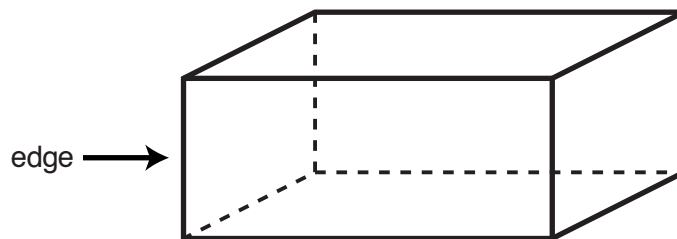
A segment that joins two vertices of a polygon but is not a side.

diameter (of a circle)



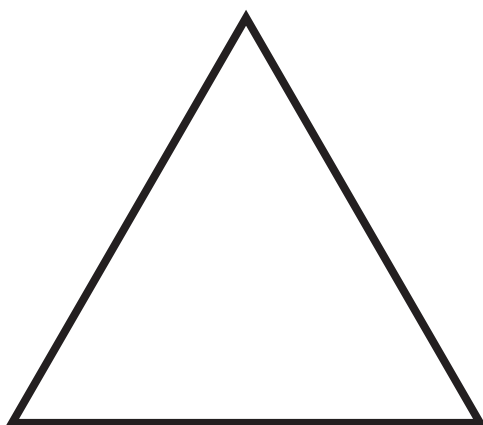
A segment that connects two points on the circle and passes through the center.

edge



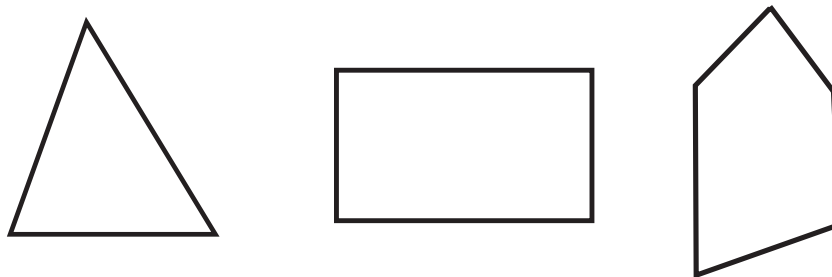
The segment where two faces of a solid figure meet.

equilateral triangle



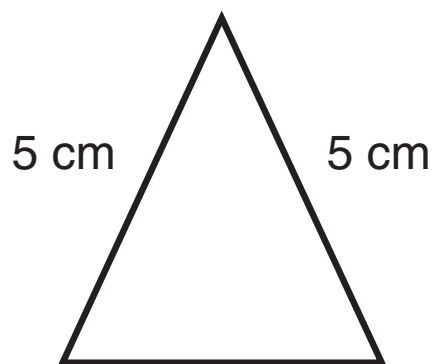
A triangle that has three congruent sides.

irregular polygon



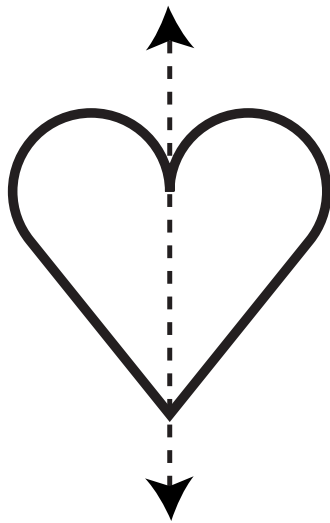
A polygon with at least one side or angle that is not congruent to the others.

isosceles triangle



A triangle that has at least two congruent sides.

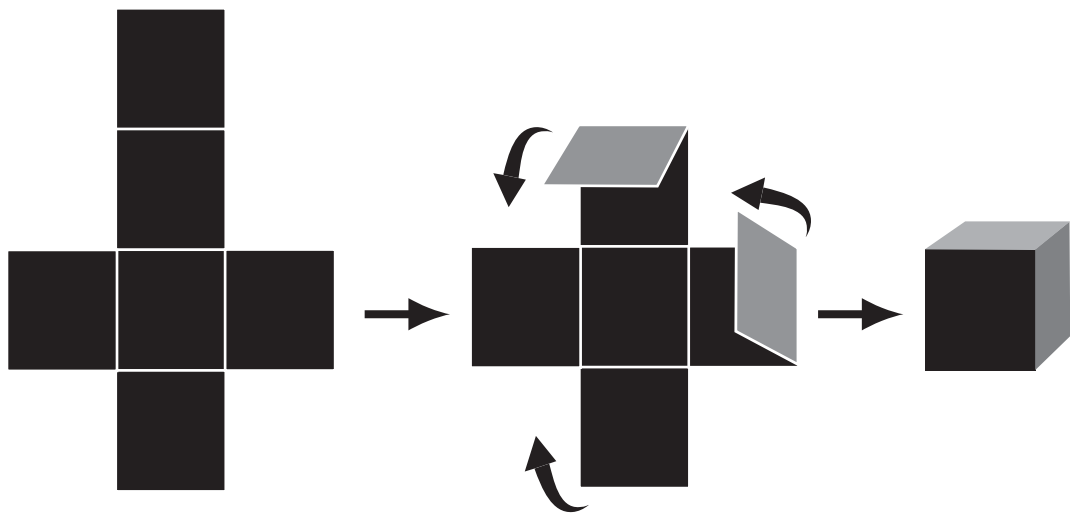
line symmetry



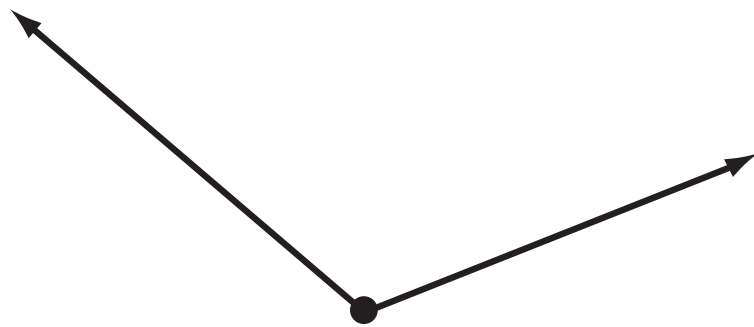
The line along which a figure can be folded so that that the two halves match exactly.

net

A flat pattern that can be folded to make a solid figure.

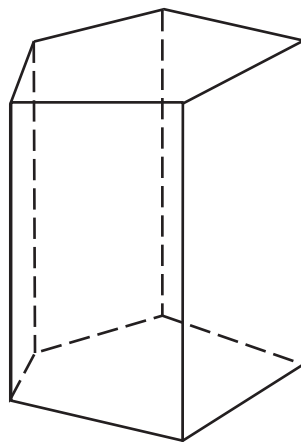


obtuse angle



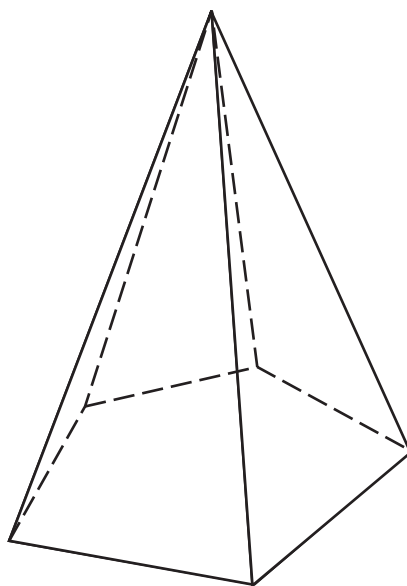
An angle with a measure greater than that of a right angle and less than 180° .

pentagonal prism



A solid figure that has pentagons for bases and parallelograms for faces.

pentagonal pyramid



A solid figure whose base is a pentagon and whose faces are triangles.

perimeter

The distance around a plane figure.

pi (π)

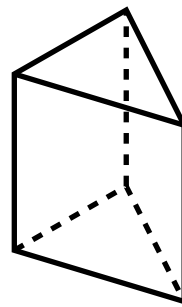
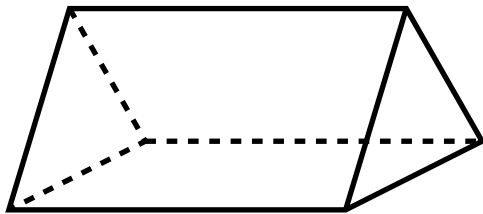
A number defined by the ratio of the circumference of any circle to its diameter.

Two common approximations used for π are $\frac{22}{7}$ and 3.14.

polygon

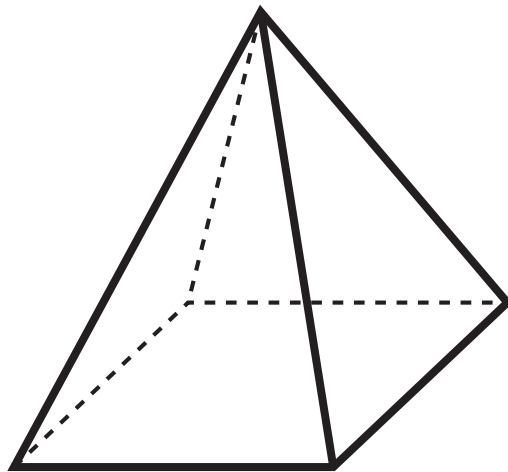
A simple closed plane figure made up of three or more line segments.

prism



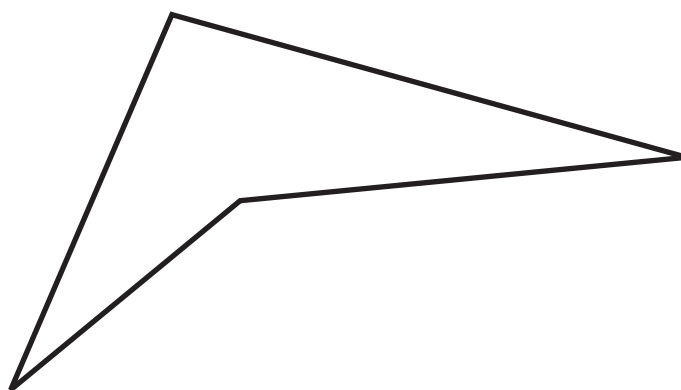
A solid figure that has two parallel congruent bases and parallelograms for faces.

pyramid



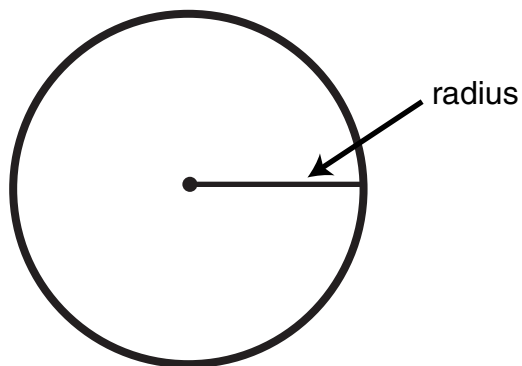
A solid figure whose base can be any polygon and whose faces are triangles.

quadrilateral



A polygon with four sides.

radius



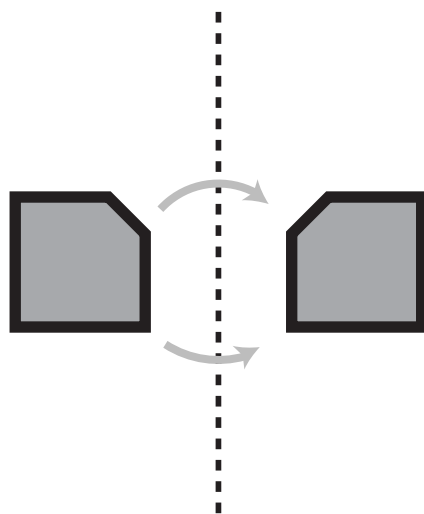
A segment that connects the center of a circle to any point on the circle.

rectangular prism



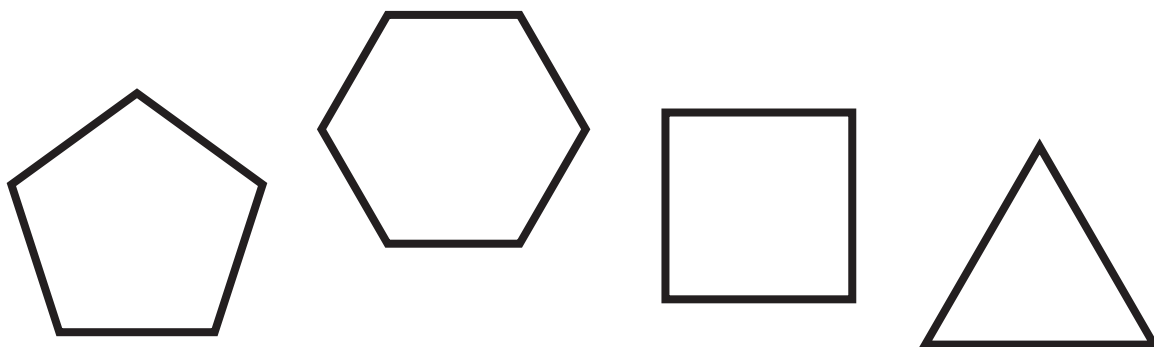
A solid figure with six faces that are rectangles.

reflection



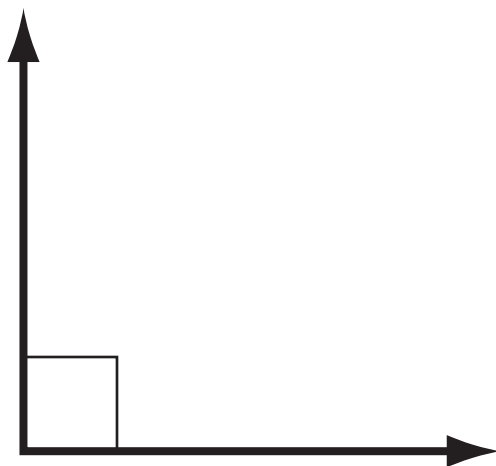
A transformation that flips a figure over a line.

regular polygon



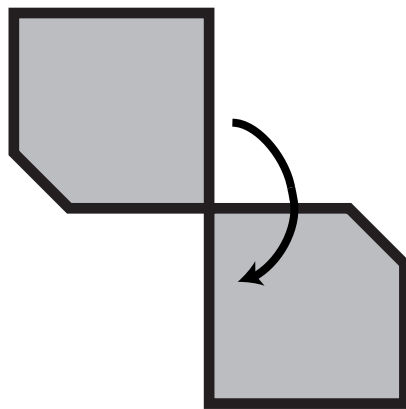
A polygon with all sides congruent and all angles congruent.

right angle



An angle that measures 90° .

rotation

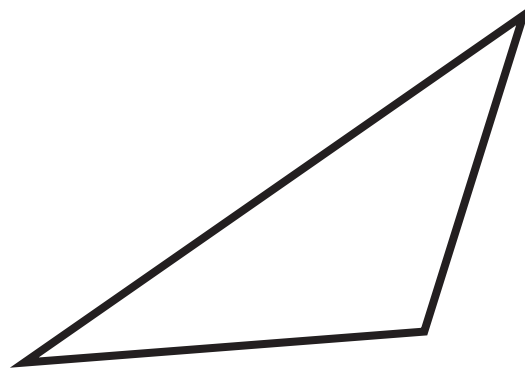


A transformation that turns a figure about a given point.

rotational symmetry

If a figure can be turned less than a full turn about a given point and the figure looks exactly the way it did before the turn, that figure has *rotational symmetry*.

scalene triangle

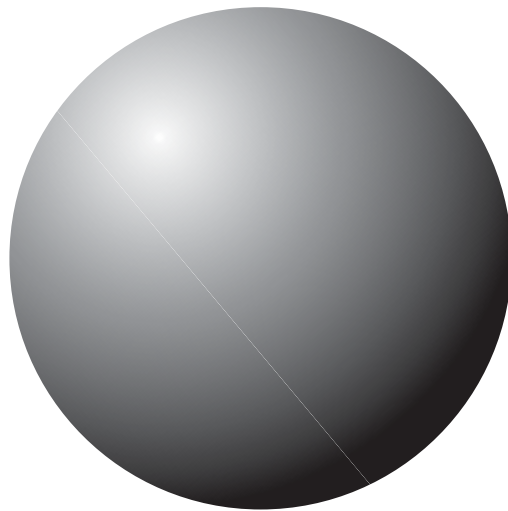


A triangle with no congruent sides.

solid figure

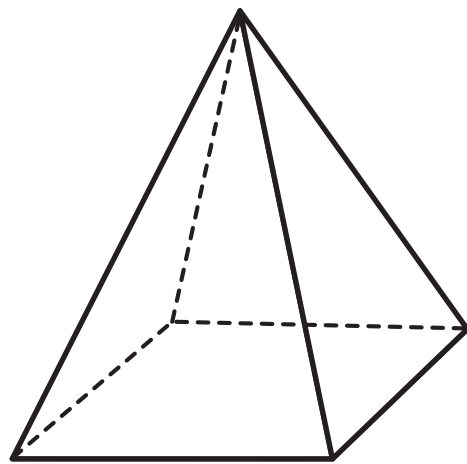
A three-dimensional figure in space.

sphere



A solid figure that is shaped like a round ball.

square pyramid

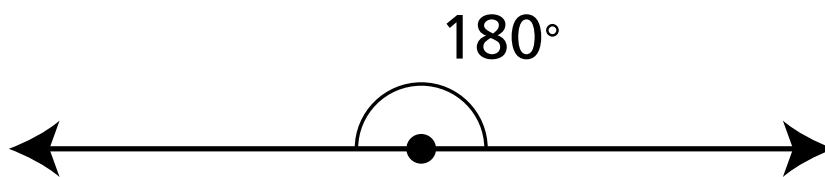


A solid figure with a square for a base and triangles for faces.

square unit

A square with sides one unit long.

straight angle



An angle that measures 180° .

surface area

The total area of the surface of a solid.

symmetric figure

A figure that has line or rotational symmetry.

tessellation

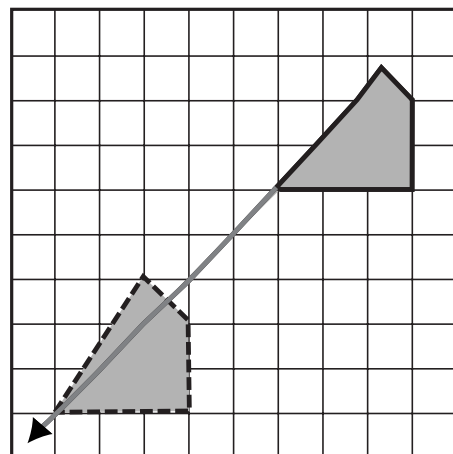
A repeating pattern that covers a plane without gaps or overlaps.

transformation

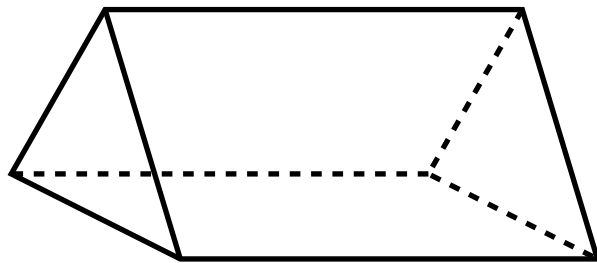
A transformation changes the position of a plane figure.
Some *transformations* are rotations, translations, and reflections.

translation

A *transformation* that slides a figure a given distance in a given direction.

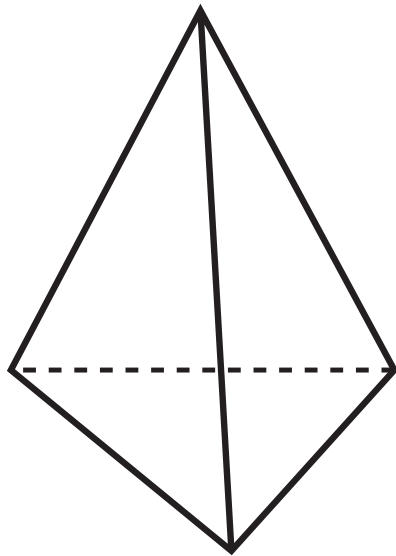


triangular prism



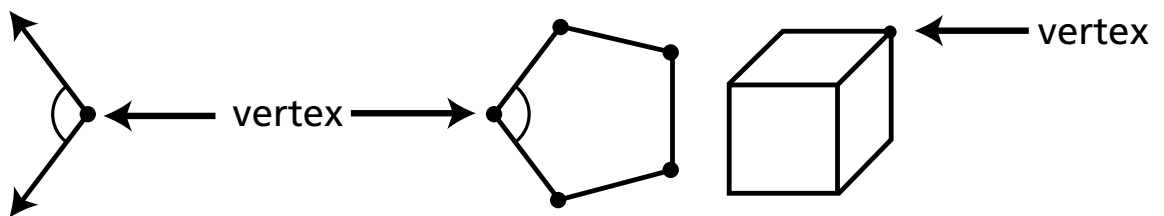
A prism whose bases are triangles.

triangular pyramid



A pyramid whose base is a triangle.

vertex (vertices)



A point common to the two sides of an angle.

volume

The number of cubic units that make up a solid figure.