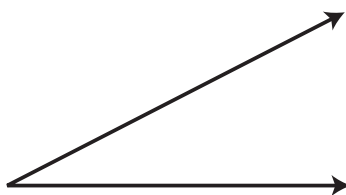
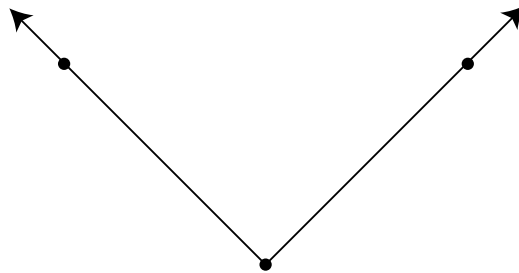


# acute angle



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

**angle**

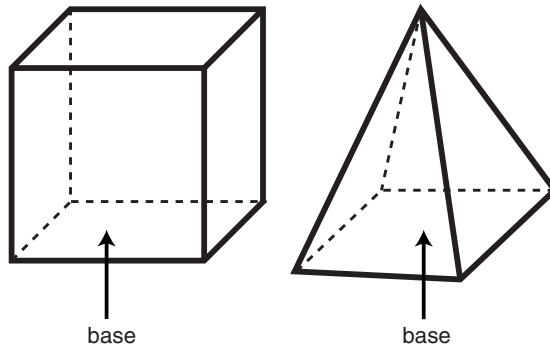


An angle is formed by two rays with  
a common end point.

**area**

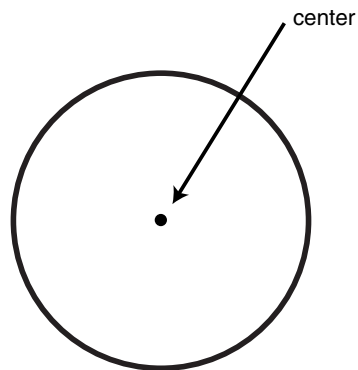
The number of square units that cover a surface with no overlap.

# base of a geometric figure



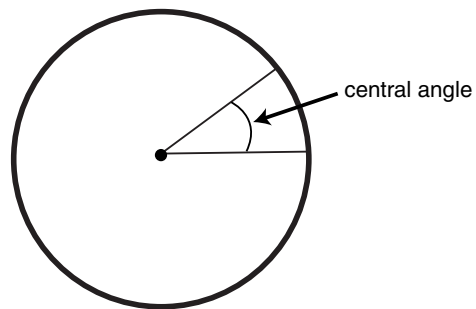
A bottom side or face of a geometric figure.

# center (of a circle)



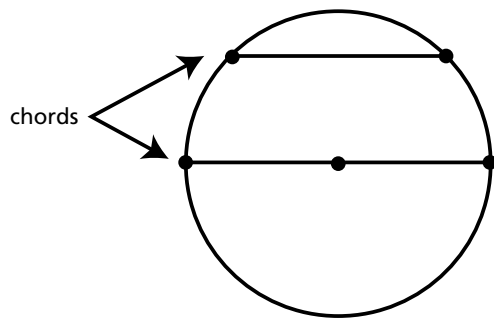
A point that is the same distance from all points on a circle.

# central angle



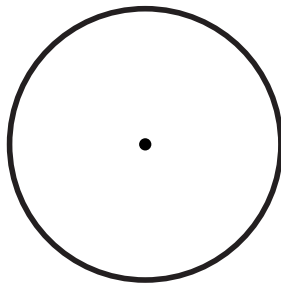
An angle with a vertex at the center of a circle.

# chord



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

**circle**

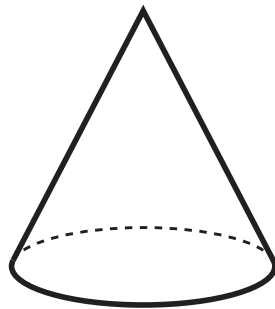


A closed figure in which every point is the same distance from a given point called the center of the circle.

# **circumference**

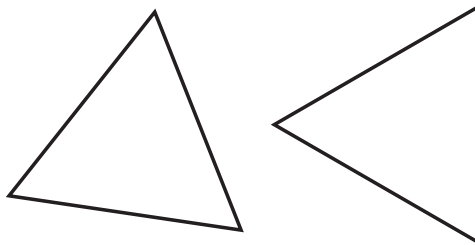
The distance around a circle.

**cone**



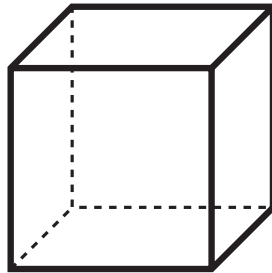
A solid that has a circular base and a surface from a boundary of the base to the vertex.

**congruent**



Figures having the same size and shape.

**cube**

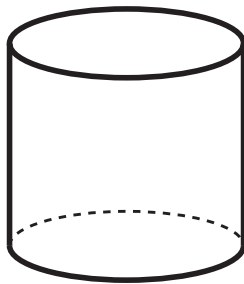


A solid figure that has six square faces of equal size.

# **cubic unit**

A cube with all edges one unit long.

**cylinder**

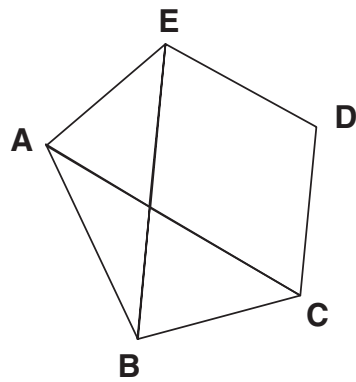


A solid with two circular faces that are congruent and a cylindrical surface connecting the two faces.

**degree**

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

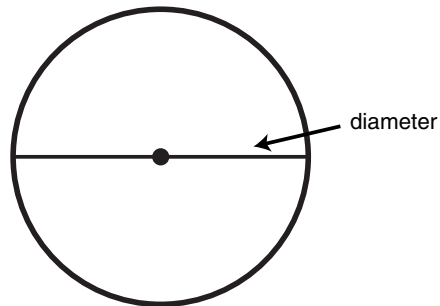
# diagonal



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

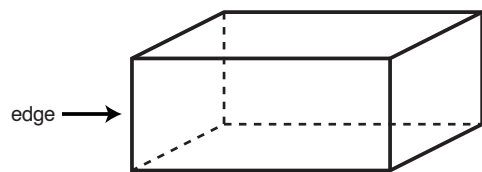
A segment that joins two vertices of a polygon but is not a side.

# diameter (of a circle)



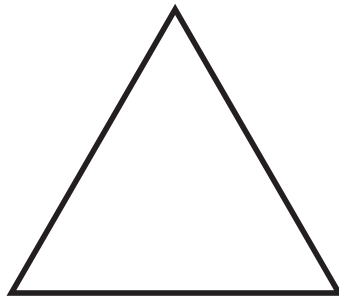
A segment that connects two points on the circle and passes through the center.

**edge**



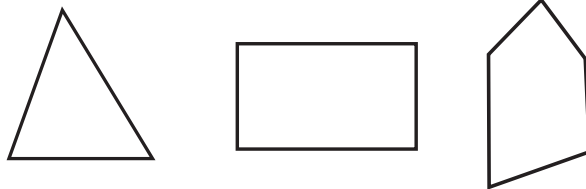
The segment where two faces of a solid figure meet.

# equilateral triangle



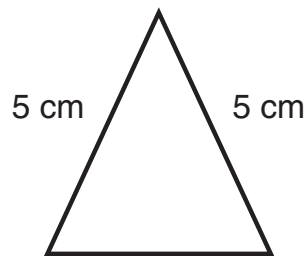
A triangle that has three congruent sides.

# irregular polygon



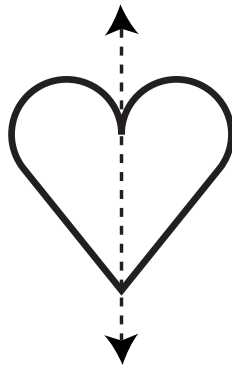
A polygon with at least one side or angle that is not congruent to the others.

# isosceles triangle



A triangle that has at least two congruent sides.

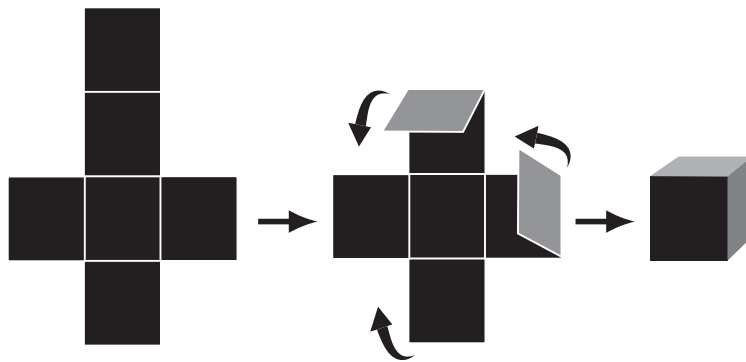
# line symmetry



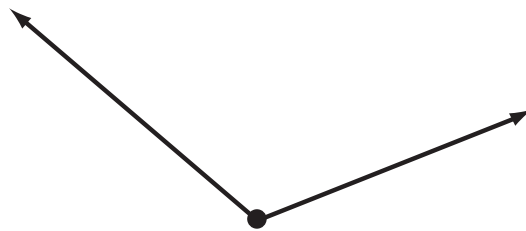
The line along which a figure can be folded so that that the two halves match exactly.

**net**

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

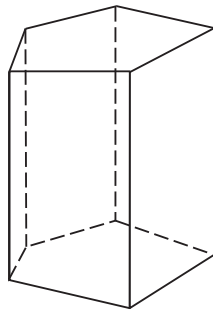


# obtuse angle



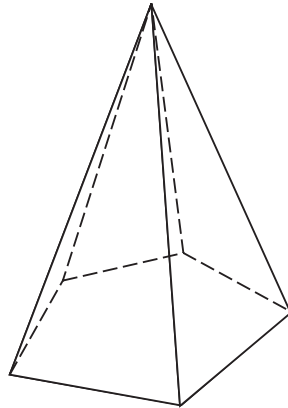
An angle with a measure greater than that of a right angle and less than  $180^\circ$ .

# 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 ( $\pi$ )**

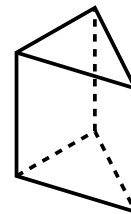
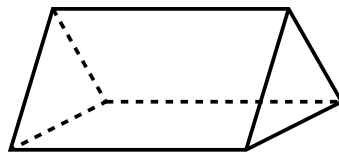
A number defined by the ratio of the circumference of any circle to its diameter.

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

# **polygon**

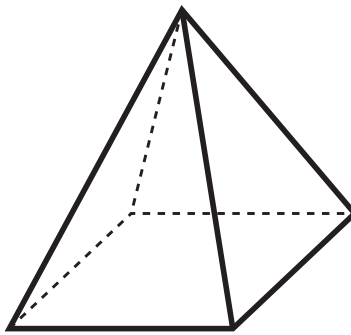
A simple closed plane figure made up of three or more line segments.

# prism



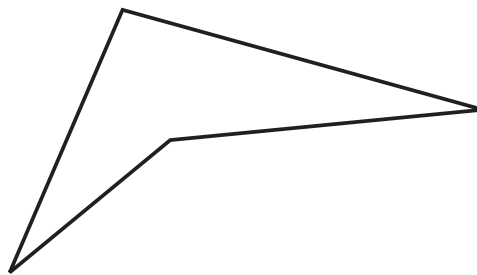
A solid figure that has two parallel congruent bases and parallelograms for faces.

**pyramid**



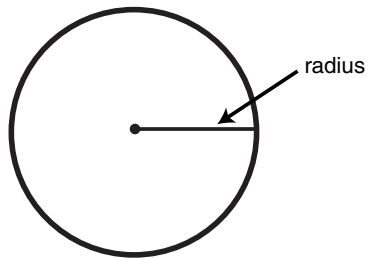
A solid figure whose base can be any polygon and whose faces are triangles.

# quadrilateral



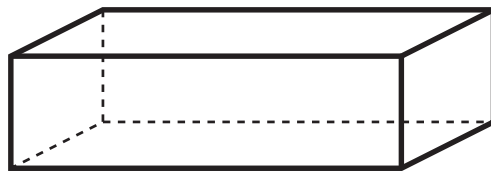
A polygon with four sides.

# radius



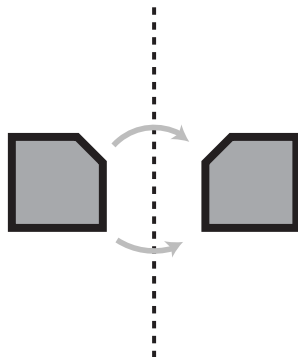
A segment that connects the center of a circle to any point on the circle.

# rectangular prism



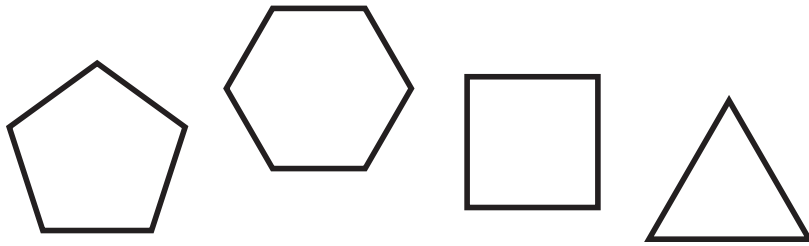
A solid figure with six faces that are rectangles.

# reflection



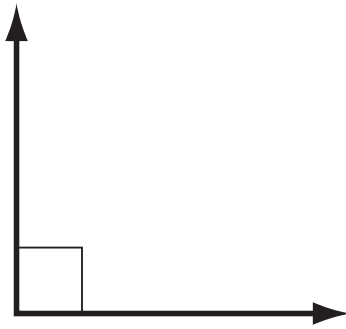
A transformation that flips a figure over a line.

# regular polygon



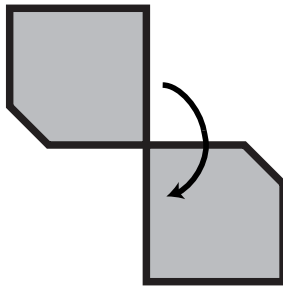
A polygon with all sides congruent and all angles congruent.

**right angle**



An angle that measures  $90^\circ$ .

# rotation

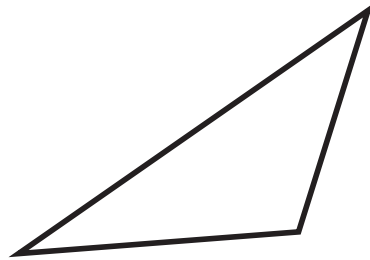


A transformation that turns a figure about a given point.

# 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**

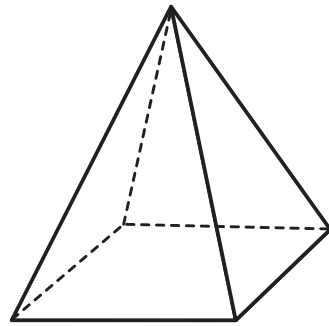
A three-dimensional figure in space.

**sphere**



A solid figure that is shaped like a round ball.

# square pyramid

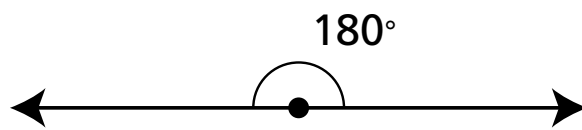


A solid figure with a square for a base and triangles for faces.

# square unit

A square with sides one unit long.

# straight angle



An angle that measures  $180^\circ$ .

# surface area

The total area of the surface of a solid.

# **symmetric figure**

A figure that has line or rotational symmetry.

# tessellation

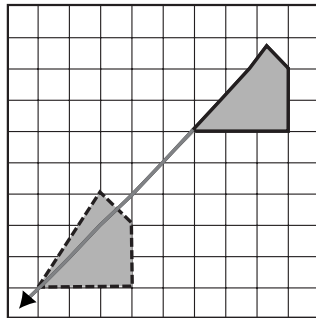
A repeating pattern that covers a plane without gaps or overlaps.

# transformation

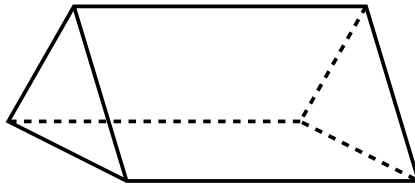
A transformation changes the position of a plane figure.  
Some *transformations* are rotations, translations, and reflections.

# translation

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

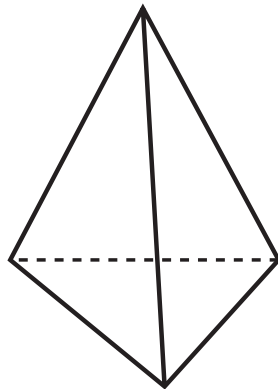


# triangular prism



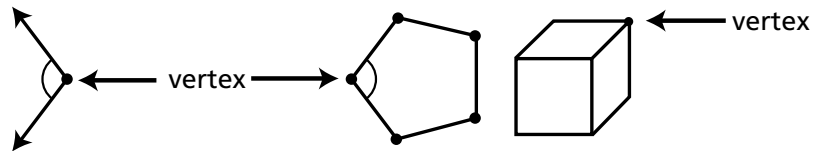
A prism whose bases are triangles.

# 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.