

**shape**

**the form or  
outline of an area  
or object**

**2-dimensional  
(2D)**

**a shape that has  
no thickness; a  
flat shape**

**3-dimensional  
(3D)**

**an object that  
has thickness  
(height, width  
and depth)**

**attribute**

**some specific  
characteristic of an  
object such as  
shape, size or color**

# rectangle

a 2-dimensional shape  
with four straight sides  
where opposite sides  
are the same length



# square

a 2-dimensional shape  
with four straight sides  
all the same length; a  
special kind of  
rectangle



# **trapezoid**

a 2-dimensional  
shape that has one  
pair of opposite sides  
that are parallel

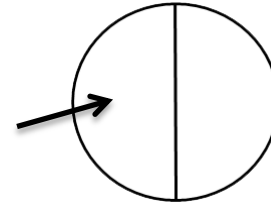


# **congruent**

shapes that are  
identical in shape  
and size

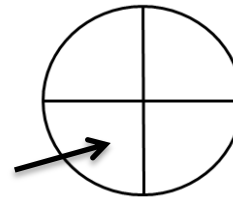
# half-circle

half of a circle; also  
called a semi-circle



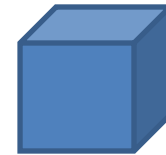
# quarter circle

one-fourth of a  
circle



**cube**

**a 3-dimensional  
shape that has 6  
square sides**



**right  
rectangular  
prism**

**a 3-dimensional  
shape that has six  
rectangular faces**





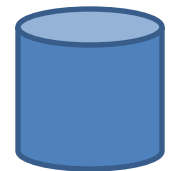
# cone

a 3-dimensional figure that has a circle base and one vertex joined by a curved surface



# cylinder

a 3-dimensional figure with a top and bottom circle base, joined by a curved surface



# angle

a measurement of the  
space between two  
lines that meet at a  
point



# face

any of the flat  
surfaces of a  
3-dimensional  
shape

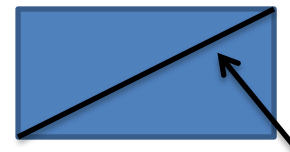


# point

an exact spot or  
location that has  
a position,  
but no size

# diagonal

a line or line  
segment that is  
slanted



**line**

a thin straight mark  
that goes out in  
both directions  
without ever ending



**line  
segment**

a thin straight  
mark that stops  
at a point on  
both ends



# vertical

in an up and  
down position...  
like a flagpole



# horizontal

going from side to  
side...like the  
horizon



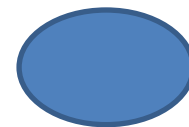
**corner**

the point where  
two sides of a  
shape meet



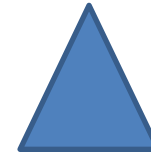
**oval**

a 2-dimensional  
curved shape that  
looks like a stretched  
out circle



**triangle**

**a 2-dimensional  
shape with three  
straight sides**

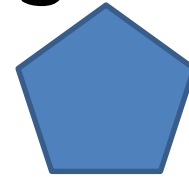


**quadrilateral**

**any  
2-dimensional  
shape that has  
four straight sides**

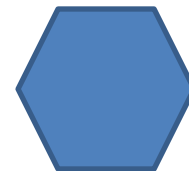
# pentagon

a 2-dimensional  
shape with five  
straight sides



# hexagon

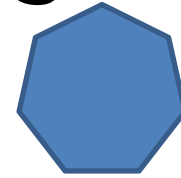
a 2-dimensional  
shape with six  
straight sides





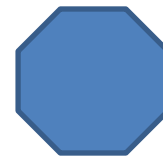
# heptagon

a 2-dimensional  
shape with seven  
straight sides



# octagon

a 2-dimensional  
shape with eight  
straight sides

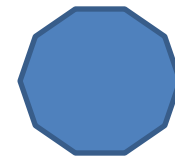


**nonagon**

**a 2-dimensional  
shape with nine  
straight sides**

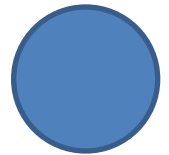
**decagon**

**a 2-dimensional  
shape with ten  
straight sides**



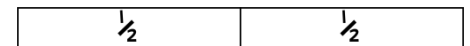
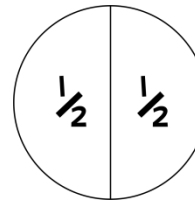
# circle

a rounded  
2-dimensional  
shape with no  
corners



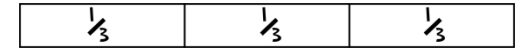
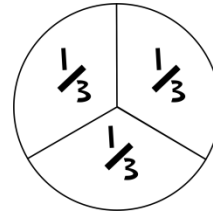
# half or halves

one of two equal  
parts of a whole



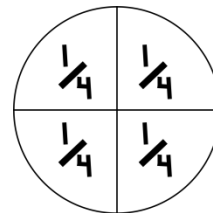
# thirds

any one of three  
equal parts of a  
whole



# fourths or quarters

any one of four  
equal parts of a  
whole



**rhombus**

**a 2-dimensional  
four-sided shape  
with straight sides  
that all have  
equal lengths**

**polygon**

**any  
2-dimensional  
shape with  
straight lines**

**geometry**

the area of math  
that deals with  
points, lines,  
shapes and space

**pyramid**

a 3-dimensional  
shape with a base  
that has 3 or more  
sides and triangular  
faces that meet at  
the top



# sphere

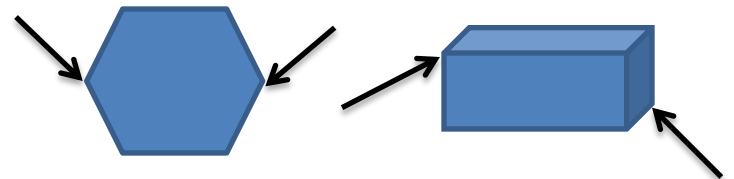
a 3-dimensional shape  
where every outside  
point is the same  
distance from the  
center



# vertex

(plural: vertices)

a point where two  
or more straight  
lines meet; a corner



**symmetry**  
or  
**symmetrical**

when one shape  
becomes exactly  
like another if  
you slide, flip or  
turn it

**line of  
symmetry**

an imaginary line that  
divides a shape into two  
halves that are mirror  
images of each other

