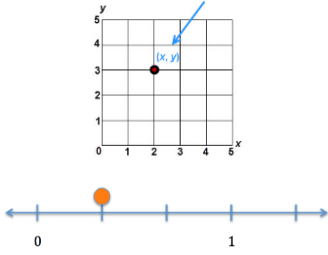


Geometry Vocabulary

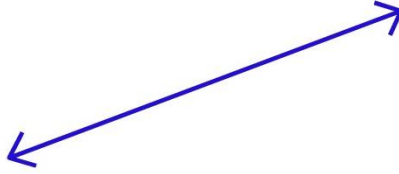
point

An exact location or position.
(ex. on a number line or coordinate grid)



line

A straight path that extends in both directions without stopping



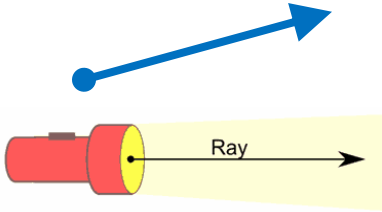
line segment

A piece/part of a line that has two endpoints.



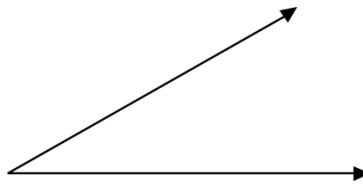
ray

A line with one end point and it extends non-stop in the opposite direction.



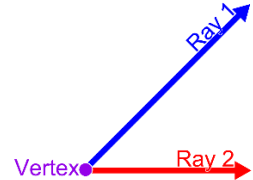
angle

A shape that is formed by two rays that share an endpoint.



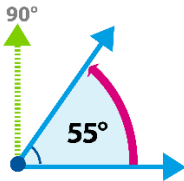
vertex

The point where two or more line segments (or rays) meet.



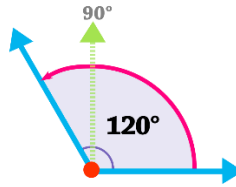
acute angle

An angle that measures less than 90° .



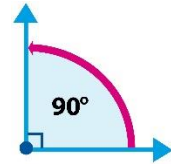
obtuse angle

An angle that measures more than 90° .



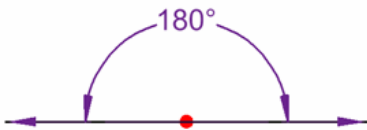
right angle

An angle that measures exactly 90° .



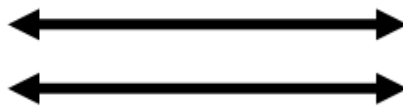
straight angle

An angle that measures exactly 180° .



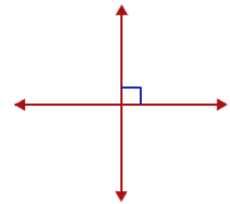
parallel lines

Lines that run the same distance apart at all points and will never intersect.



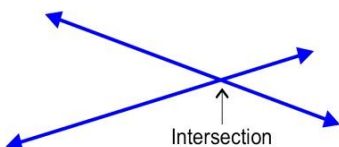
perpendicular lines

A special type of intersecting lines that form a 90° angle.



intersecting lines

two or more lines that meet or cross at a point.



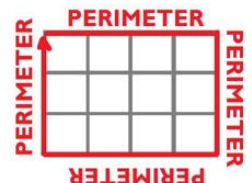
area


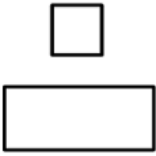
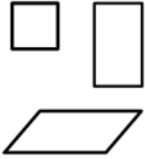
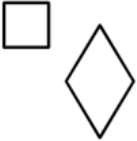

The number of square units needed to cover the surface of a 2-dimensional shape/figure.



perimeter

The total distance around the outside of a shape or area.



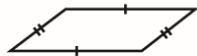
Classifying Quadrilaterals			
square		<ul style="list-style-type: none"> 4 equal sides 2 pairs of parallel sides – parallelogram all 90° 	4 - 90° angles
rectangle		<ul style="list-style-type: none"> 4 sides opposite sides are equal 2 pairs of parallel sides - parallelogram all 90° a square can be a rectangle, but a rectangle cannot be a square 	4 - 90° angles
parallelogram		<ul style="list-style-type: none"> 4 sides 2 pairs of parallel sides opposite sides are equal 	4 angles
rhombus		<ul style="list-style-type: none"> 4 equal sides opposite sides are equal 2 pairs of parallel sides - parallelogram 	4 angles
trapezoid		<ul style="list-style-type: none"> 4 sides only 1 pair of parallel sides 	4 angles

A quadrilateral is any polygon that has 4 sides. There are many kinds of quadrilaterals, including:



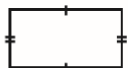
trapezoid

a quadrilateral with exactly 1 pair of parallel sides



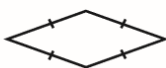
parallelogram

a quadrilateral with 2 pairs of parallel sides opposite each other



rectangle

a parallelogram with 4 right angles



rhombus

a parallelogram with 4 congruent sides

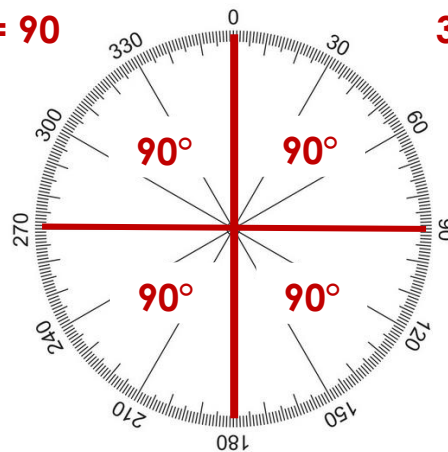


square

a parallelogram with 4 congruent sides and 4 right angles

$$360 \div 4 = 90$$

$$36 \div 4 = 9$$



1 full rotation is 360°

each quadrant is equal to 90°



tricycle has 3 wheels

tri-



quad runner has 4 wheels

quad-



a pen or a pencil is in your hand that has 5 fingers.

pent-

6

hex and six both have an "x" **hex-**



an octopus has 8 tentacles

oct-



2000 - 2010

a decade is a period of 10 years

deca-

Prefix	Meaning	Word
uni-	1	not a polygon
bi-	2	not a polygon
tri-	3	triangle
quad-	4	quadrilateral
pent-	5	pentagon
hex-	6	hexagon
hept-	7	heptagon
oct-	8	octagon
non-	9	nonagon
deca-	10	decagon