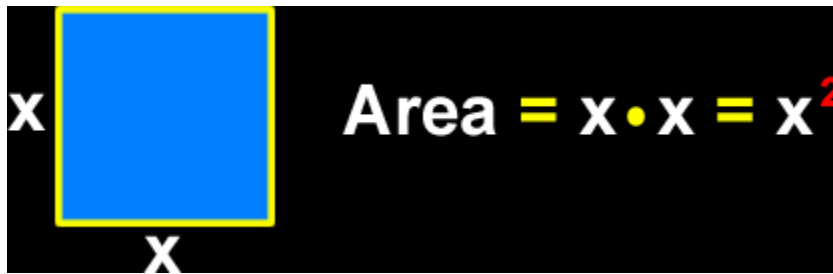


Area

The area of a square:

To find the area of a square, multiply the lengths of two sides together... Another way to say this is to say "square the length of a side!" Get it? Square!



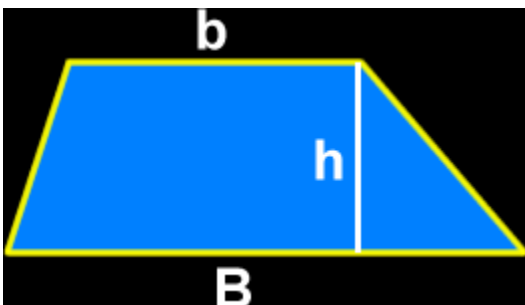
The area of a rectangle:



To find the area of a rectangle, just multiply the length times the width:

$$\text{Area} = L \times w$$

The area of a trapezoid:



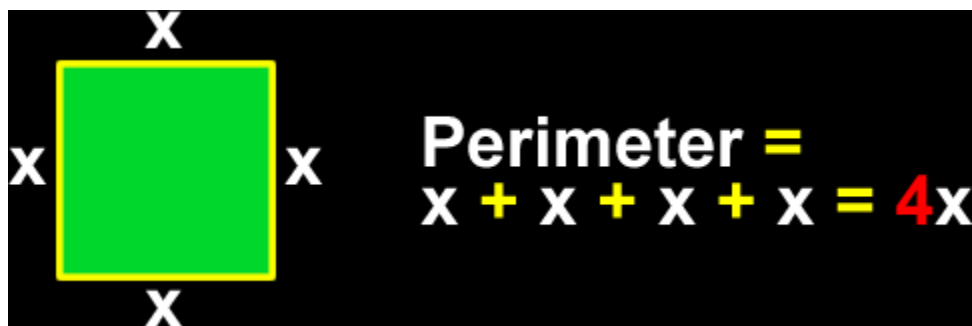
To find the area of a trapezoid... The longer base (the bottom) is big B and the smaller base (the top) is little b...

$$\text{Area} = \frac{1}{2} h (B + b)$$

Perimeter

The perimeter of a square:

To find the perimeter of a square, just add up all the lengths of the sides:









The perimeter of a rectangle:



To find the perimeter of a rectangle, just add up all the lengths of the sides:

$$\begin{aligned} \text{Perimeter} &= L + w + L + w \\ &= 2L + 2w \end{aligned}$$

Quadrilaterals

Type	Properties
Parallelogram 	<ul style="list-style-type: none">• Opposite sides are equal and parallel• Opposite angles are equal
Rectangle 	<ul style="list-style-type: none">• Opposite sides are equal and parallel• All angles are right angles (90°)
Square 	<ul style="list-style-type: none">• Opposite sides are parallel• All sides are equal• All angles are right angles (90°)
Rhombus 	<ul style="list-style-type: none">• Opposite sides are parallel• All sides are equal• Opposite angles are equal• Diagonals bisect each other at right angles (90°)
Trapezoid 	<ul style="list-style-type: none">• One pair of opposite sides is parallel
Kite 	<ul style="list-style-type: none">• Two pairs of adjacent sides are equal• One pair of opposite sides are equal• One diagonal bisects the other• Diagonals intersect at right angle (90°)

Polygons



Triangle



Square



Pentagon



Hexagon



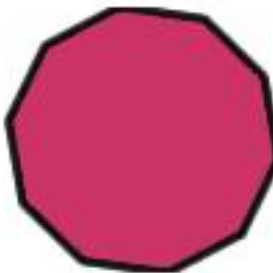
Septagon



Octagon



Nanogon



Decagon



Dodecagon

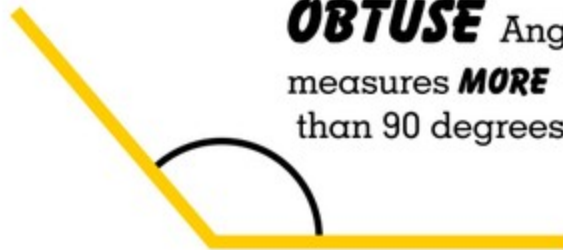


ALL ABOUT ANGLES

RIGHT angle:
measures **EXACTLY**
90 degrees



ACUTE angle
measures **LESS** than
90 degrees



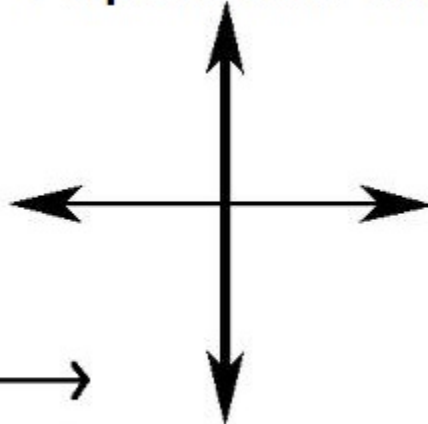
OBTUSE Angle:
measures **MORE**
than 90 degrees

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Intersecting Lines



Perpendicular Lines



Parallel Lines

