

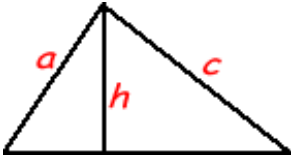
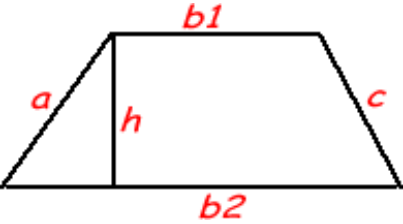
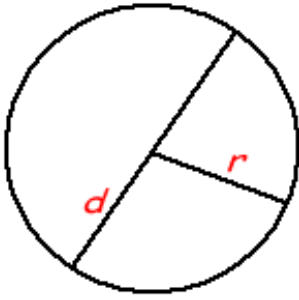
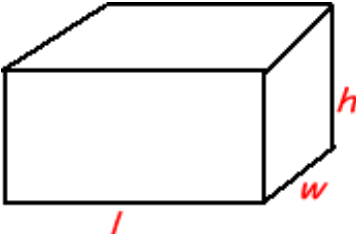


## FORMULAS FOR PERIMETER, AREA, SURFACE, VOLUME

Shapes	Formulas
	<p><b>Rectangle</b>  <b>Area</b> = Length X Width  <math>A = lw</math></p> <p><b>Perimeter</b> = 2 X Lengths + 2 X Widths  <math>P = 2l + 2w</math></p>
	<p><b>Parallelogram</b>  <b>Area</b> = Base X Height  <math>A = bh</math></p> <p><b>Perimeter</b> = add the length of all sides  <math>P = 2a + 2b</math></p>
	<p><b>Triangle</b>  <b>Area</b> = 1/2 of the base X the height  <math>A = \frac{1}{2}bh</math></p> <p><b>Perimeter</b> = <math>a + b + c</math>          (add the length of the three sides)</p>
	<p><b>Trapezoid</b>  <b>Area</b> = 1/2 of the base X the height  <math>A = \left(\frac{b_1+b_2}{2}\right)h</math></p> <p><b>Perimeter</b> = add lengths of all sides  <math>P = a + b_1 + b_2 + c</math></p>
	<p><b>Circle</b>  <b>Radius</b> = the distance from the center to a point on the circle (r).</p> <p><b>Diameter</b> = the distance between two points on the circle through the center (<math>d = 2r</math>).</p> <p><b>Circumference</b> = the distance around the circle (<math>C = \pi d = 2\pi r</math>).          (Assume <math>\pi \approx 3.14</math>)</p> <p><b>Area</b> = <math>\pi r^2</math></p>
	<p><b>Rectangular Solid</b>  <b>Volume</b> = Length X Width X Height  <math>V = lwh</math></p> <p><b>Surface</b> = <math>2lw + 2lh + 2wh</math></p>