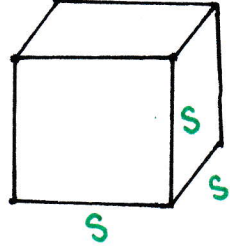
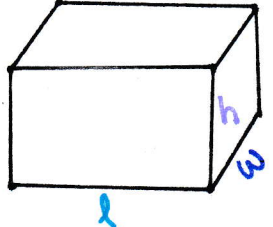
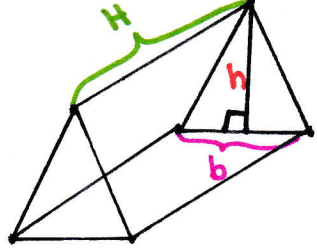


VOLUME OF PRISMS & CYLINDERS

<p>KEY</p> <h3>Definitions</h3>	<p>Volume is the amount of <u>cubic</u> units that can fit inside a solid figure.</p> <p>A prism is a solid figure that has two congruent <u>bases</u> connected by parallelograms.</p> <p>To find the volume of a prism, you calculate the <u>area of the base</u> and multiply it by the <u>height</u>.</p> <p>The height of the prism must be <u>perpendicular</u> to the base.</p>		
<p>KEY</p> <h3>Formulas</h3>	<p>Cube</p>	$V = s^3$	
<p>Rectangular Prism</p>	$V = lwh$		
<p>Triangular Prism</p>	$V = \left(\begin{array}{l} \text{area of} \\ \text{triangular} \\ \text{base} \end{array} \right) \left(\begin{array}{l} \text{height} \\ \text{of the} \\ \text{solid} \end{array} \right)$ $V = \frac{1}{2} bhH$		
<p>Cylinder</p>	$V = \pi r^2 h$	