

## Volume

<b>Rectangular Prism</b>	$V = B \cdot h$ <i>Where B is the area of the base</i>	$V = l \cdot w \cdot h$
<b>Triangular Prism</b>	$V = B \cdot h$ <i>Where B is the area of the base</i>	$V = \left(\frac{1}{2}bh_{\Delta}\right) \cdot h$
<b>n-gonal Prism</b>	$V = B \cdot h$ <i>Where B is the area of the base</i>	$V = \left(\frac{1}{2}ap\right) \cdot h$
<b>Cylinder</b>	$V = B \cdot h$ <i>Where B is the area of the base</i>	$V = \pi r^2 h$
<b>Cone</b>	$V = \frac{1}{3}B \cdot h$ <i>Where B is the area of the base</i>	$V = \frac{1}{3}\pi r^2 h$
<b>Pyramid</b>	$V = \frac{1}{3}B \cdot h$ <i>Where B is the area of the base</i>	
<b>Sphere</b>		$V = \frac{4}{3}\pi r^3$

## Lateral Area

<b>Rectangular Prism</b>	$LA = P \cdot h$ <i>Where P is the Perimeter of the base</i>	Find Area of 4 Lateral Rectangular Faces
<b>Triangular Prism</b>	$LA = P \cdot h$ <i>Where P is the Perimeter of the base</i>	Find Area of 3 Lateral Rectangular Faces
<b>n-gonal Prism</b>	$LA = P \cdot h$ <i>Where P is the Perimeter of the base</i>	Find Area of n Lateral Rectangular Faces

<b>Cylinder</b>	$LA = P \cdot h$ <i>Where P is the Perimeter of the base</i>	$LA = 2\pi rh$
<b>Cone</b>	$LA = \frac{1}{2}P \cdot l$ <i>Where P is the Perimeter of the base</i>	$LA = \pi rl$ <i>Where l is the slant height</i>
<b>Pyramid</b>	$LA = \frac{1}{2}P \cdot l$ <i>Where P is the Perimeter of the base</i>	Find Area of each Lateral Isosceles Triangle Face

## Surface Area

<b>Rectangular Prism</b>	$SA = P \cdot h + 2B$ <i>Where P is the Perimeter of the base</i> <i>Where B is the area of the base</i>	Find Area of 6 Rectangular Faces
<b>Triangular Prism</b>	$SA = P \cdot h + 2B$ <i>Where P is the Perimeter of the base</i> <i>Where B is the area of the base</i>	Find Area of 3 Lateral Rectangular Faces and 2 Triangular Bases
<b>n-gonal Prism</b>	$SA = P \cdot h + 2B$ <i>Where P is the Perimeter of the base</i> <i>Where B is the area of the base</i>	Find Area of n Lateral Rectangular Faces and 2 n-gons.
<b>Cylinder</b>	$SA = P \cdot h + 2B$ <i>Where P is the Perimeter of the base</i> <i>Where B is the area of the base</i>	$SA = 2\pi rh + 2\pi r^2$
<b>Cone</b>	$LA = \frac{1}{2}P \cdot l + B$ <i>Where P is the Perimeter of the base</i> <i>Where B is the area of the base</i>	$SA = \pi rl + \pi r^2$ <i>Where l is the slant height</i>
<b>Pyramid</b>	$LA = \frac{1}{2}P \cdot l + B$ <i>Where P is the Perimeter of the base</i> <i>Where B is the area of the base</i>	Find Area of each Lateral Isosceles Triangle Face and Base
<b>Sphere</b>		$SA = 4\pi r^2$