

Name: _____

Volumes of Shapes

Volume is the amount of 3-dimensional space an object occupies.



Volume of a Pyramid = $\frac{1}{3} \times B \times H$



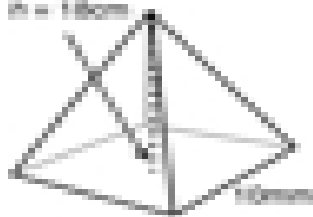
Volume of a Cylinder = $\pi r^2 h$



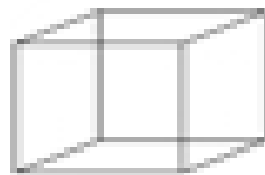
Volume of a Prism = $l \times w \times h$

Directions: Look at the 3-dimensional problems below. Calculate the volume of each shape.

$h = 15\text{cm}$

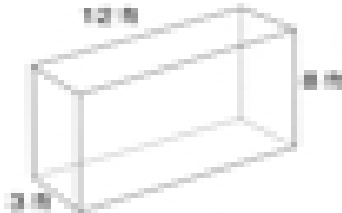


The volume of the pyramid is _____ cubic cm.



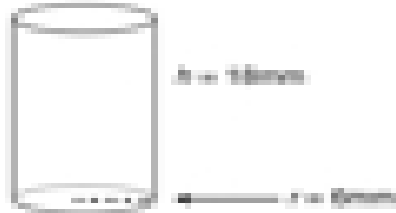
The volume of the cube is _____ cubic mm.

12 ft



The volume of the box is _____ cubic ft.

$h = 18\text{mm}$



The volume of the cylinder is _____ cubic in.