

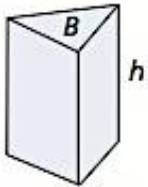
Volume is the number of cubic units contained in a three-dimensional figure.

Volume of a Prism or Cylinder

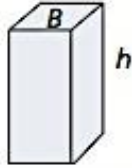
$$V = B \cdot h$$

where B is the area of the base and h is the height.

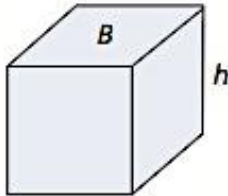
You can use this formula to find the volume of any prism or cylinder.



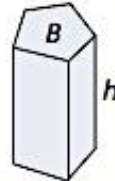
Triangular prism



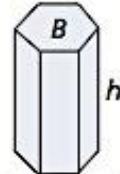
Rectangular prism



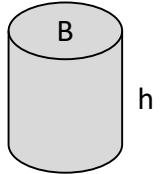
Cube



Pentagonal prism



Hexagonal prism

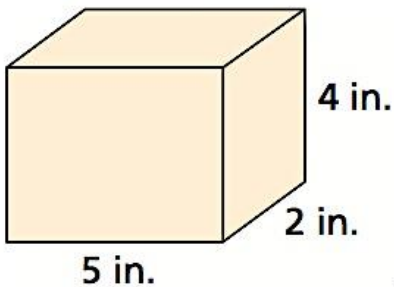


Cylinder

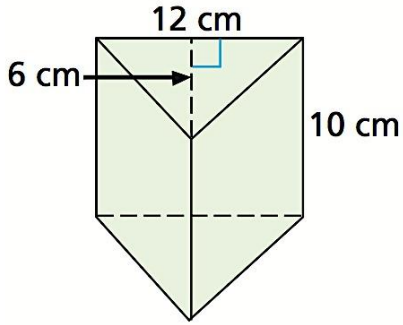
Remember your area formulas for different shapes:

Formulas: Triangle Area = $\frac{1}{2}bh$ Parallelogram Area = bh Trapezoid area = $\frac{1}{2}(b_1+b_2)h$
 Circumference = πd Circle Area = πr^2 $\pi \approx 3.14$ for rough estimates: $\pi \approx 3$

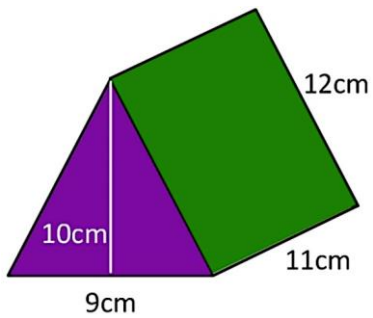
Use the Volume formula to find the volume of this polyhedron.



Use the Volume formula to find the volume of this polyhedron.



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