


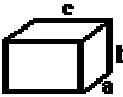
$(\pi = 3.141592\dots)$


Volume Formulas


Note: "ab" means "a multiplied by b". "a²" means "a squared", which is the same as "a" times "a". "b³" means "b cubed", which is the same as "b" times "b" times "b".


Be careful!! Units count. Use the same units for all measurements. [Examples](#)


cube = a^3 


rectangular prism = $a b c$ 

irregular prism = $b h$ 

cylinder = $b h = \pi r^2 h$ 

pyramid = $(1/3) b h$ 

cone = $(1/3) b h = 1/3 \pi r^2 h$ 

sphere = $(4/3) \pi r^3$ 

ellipsoid = $(4/3) \pi r_1 r_2 r_3$ 