

Find the volume formulas based on the unique area of the base.

Volume of Prisms

Area of Base

Volume = Base Area x Depth

Sector Prism

Fill in the table below.

Key:

$A = \pi r^2$	$A = bh$	$A = \frac{bh}{2}$	$A = s^2$	$A = \left(\frac{b_1 + b_2}{2}\right)h$	$A = \left(\frac{\theta}{360}\right)\pi r^2$
$V = \left(\frac{b_1 + b_2}{2}\right)hd$	$V = \pi r^2 d$	$V = s^3$	$V = \left(\frac{bh}{2}\right)d$	$V = bhd$	$V = \left(\frac{\theta}{360}\right)\pi r^2 d$

AREA Formulas		VOLUME Formulas	
Rectangle		Rectangular Prism	
Square		Cube	
Trapezoid		Trapezoidal Prism	
Triangle		Triangular prism	
Circle		Cylinder	
Sector		Sector Prism	

What types of units are used to describe area?

What types of units are used to describe volume?

