

FORMULAS

Perimeter / Area / Volume / Surface Area

<u>Perimeter</u>	<u>Area</u>
Square: $P = 4s$	Square: $A = s^2$
Rectangle: $P = 2(b + h)$	Rectangle: $A = bh$
Parallelogram: $P = 2(b + s)$	Parallelogram: $A = bh$
Circle: $C = 2r\pi = d\pi$	Triangle: $A = \frac{1}{2}bh$
Semi-Circle: $L = r\pi$	Trapezoid: $A = \frac{1}{2}(b_1 + b_2)h$
	Circle: $A = r^2\pi$
Sector: $L = \frac{d}{360}2r\pi$	Sector: $A = \frac{d}{360}r^2\pi$
$P = 2r + r\pi$	
$P = 2r + \frac{d}{360}2r\pi$	
<u>Volume</u>	<u>Surface Area</u>
Prism: $V = A_b h$	Prism: $SA = 2A_b + P_b h$
Cylinder: $V = A_b h$	Cylinder: $SA = 2A_b + P_b h$
Sphere: $V = \frac{4}{3}r^3\pi$	Sphere: $SA = 4r^2\pi$
Cone: $V = \frac{1}{3}A_b h$	Cone: $SA = r^2\pi + rs\pi$ (only a right circular cone)
Pyramid: $V = \frac{1}{3}A_b h$	