

Geometrical Shapes

Formula for Area and Volume

Geometrical Shape	Type	Area	Volume
Circle	Two Dimensional	$A = \pi r^2$	N/A
Square	Two Dimensional	$A = l^2$	N/A
Triangle	Two Dimensional	$A = \frac{1}{2}bh$	N/A
Sphere	Three Dimensional	$A = 4\pi r^2$	$V = \frac{4}{3}\pi r^3$
Cube	Three Dimensional	$A = 6a^2$	$V = a^3$
Tetrahedron	Three Dimensional	$A = \sqrt{3}a^2$	$V = \frac{a^3}{6\sqrt{2}}$

$a = \text{edge}$

$l = \text{length}$

$b = \text{base}$

$h = \text{height}$

$r = \text{radius}$