

MEASUREMENT REFERENCE CHART

2D AREA FORMULAS

Shape	Formula	Variables
Square	$A = s^2$	$s = \text{side}$
Rectangle	$A = w \times l$	$w = \text{width}, l = \text{length}$
Triangle	$A = \frac{1}{2}bh$	$b = \text{base}, h = \text{height}$
Circle	$A = \pi r^2$	$\pi \approx 3.14159, r = \text{radius}$
Trapezoid	$A = \frac{1}{2}(a+b)h$	$a, b = \text{parallel sides}, h = \text{height}$

3D VOLUME FORMULAS

Shape	Formula	Variables
Cube	$V = s^3$	$s = \text{side}$
Rectangular Prism	$V = l \times w \times h$	$l = \text{length}, w = \text{width}, h = \text{height}$
Cylinder	$V = \pi r^2 h$	$r = \text{radius}, h = \text{height}$
Sphere	$V = \frac{4}{3}\pi r^3$	$r = \text{radius}$
Cone	$V = \frac{1}{3}\pi r^2 h$	$r = \text{radius}, h = \text{height}$