

Formulas:

Cube - $V = s^3$, $SA = 6s^2$

Cylinder - $V = \pi r^2 h$, $SA = 2\pi r^2 + 2\pi r h$

Sphere - $V = \frac{4}{3}\pi r^3$, $SA = 4\pi r^2$

Rectangular Solid - $V = lwh$, $SA = 2lw + 2wh + 2lh$,

Cone - $V = \frac{1}{3}\pi r^2 h$, $SA = \pi r^2 + \pi r s$, $s = \sqrt{h^2 + r^2}$

Pyramid - $V = \frac{1}{3}lwh$, $SA = lw + 2bs$, $SA = lw + ls + ws$, $s = \sqrt{h^2 + (b/2)^2}$

3D Shape	L – length or side	W width	H - height	R - radius	S – slant height	V - volume	SA – surface area
Cube	6cm						
Cube	5m						
Rectangular Solid	50mm	30mm	10mm				
Rectangular Solid	5 ft	4ft	3ft				
Cylinder			20cm	10cm			
Cylinder			8ft	4ft			
Cone			40in	8in			
Cone			12m	4m			
Sphere				30mm			
Sphere				6yd			
Pyramid (square base)	4ft		4 ft				
Pyramid (rectangular base)	8m	4m	3m				