



67 - Volume

Volumes of Prisms

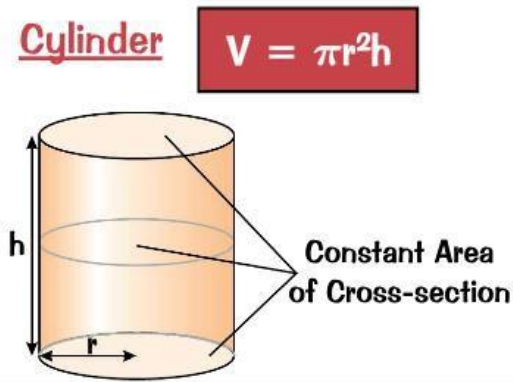
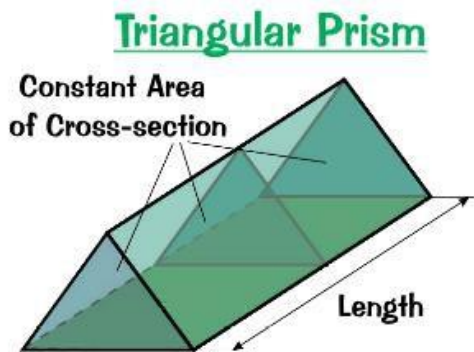
the volume of a cuboid is length × width × height

Sphere, Pyramids and cones are Higher only

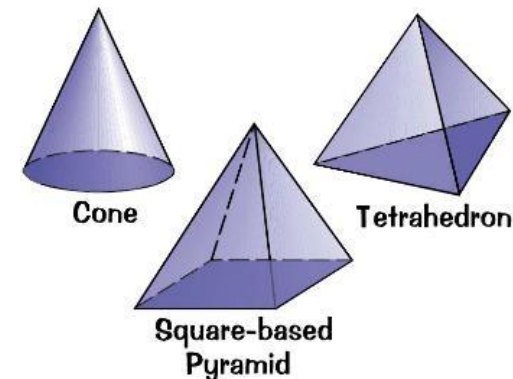
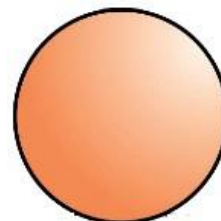
A PRISM is a solid (3D) object which is the same shape all the way through

VOLUME OF PRISM = CROSS-SECTIONAL AREA × LENGTH

VOLUME OF PYRAMID = $\frac{1}{3}$ × BASE AREA × VERTICAL HEIGHT
VOLUME OF CONE = $\frac{1}{3}$ × πr^2 × h_v



VOLUME OF SPHERE = $\frac{4}{3} \pi r^3$



Linked Prior Topics	Vocabulary	Linked Future Topics
Area	Area	Volume
Surface Area	Net	Similarity & Congruence
Units	Prism	Dimensions
Nets	Cuboid	Compound Surface Area
	Cross-Section	
	Cylinder	
	Units	
	Pi	
	Faces	
	Edges	
	Sphere	
	Pyramid	