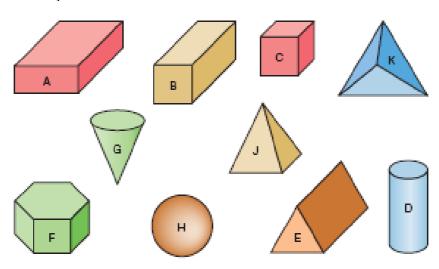
Term:	Visual Representation:
Volume	
Definition:	Association:
The amount of 3-dimensional space an object occupies.	

Investigate

Relating the Volumes of a Prism and a Cylinder

Which of these pictures represent prisms? Justify your answers. What would you need to know to determine the volume of each prism?

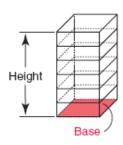


Term:	Visual Representation:
Prism	
Definition: A solid object with two identical ends and flat sides:	Association:
• The sides are parallelograms (4-sided shape with opposites sides parallel)	

Term:	Visual Representation:
Cylinder	
Definition:	Association:
A solid object with:	
• two identical flat ends that are circular or elliptical	
• and one curved side.	

Volume of a Prism

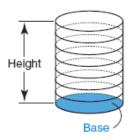
Volume_{rectangular prism}=



Volume_{triangular prism}=



Volume_{cylinder} = Area of the base x height $= \pi r^2 h$

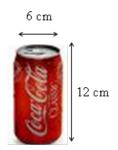


Ex. 1 Determine the volume of each prism or cylinder

a. A cereal box



b. A can of coke.



If 1000cm3= 1000mL , how many mL of pop are in 1 can?