



# Geometry & Measurement Student Activity

## Volume – Changing Dimensions

Complete the chart below to determine what happens to the volume of a solid if its height is tripled and all other dimensions remain the same.

	Depth	Width	Height	Volume
Solid 1	2	2	2	$8 \text{ cm}^3$
Solid 2				
Solid 3				
Solid 4				

State what happens to the volume when the height is tripled and all other dimensions remain the same.

Complete the chart below to determine what happens to the volume of a cube if each dimension is doubled.

	Depth	Width	Height	Volume
Cube 1	2	2	2	$8 \text{ cm}^3$
Cube 2	4	4	4	
Cube 3				
Cube 4				

State what happens to the volume of a cube if each dimension is doubled.