Volume

- the amount of **cubes** inside an object; the capacity of a 3D shape

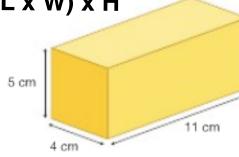A rectangular prism is 10 cm long, 5 cm wide and 6 cm high

The length is 10cm	Width is 5cm	Height is 6cm
(1 row of 10 cubes)	(5 rows of 10 cubes)	(6 layers of 50 cubes)
Volume of 1 row=10cm	Volume of 1 layer	Volume of 6 layers
	5x10= 50cm	6 x 50 = 300 cm

Formula: V = L x W x H or
V = Area of base x H
= (L x W) x H

V = Volume
L = Length
W = Width, H = Height

$V = L \times W \times H$
$= 11 \times 4 \times 5$
$= 220$ cm

5 cm

11 cm

4 cm