

# Notes on Volume

Name: Key

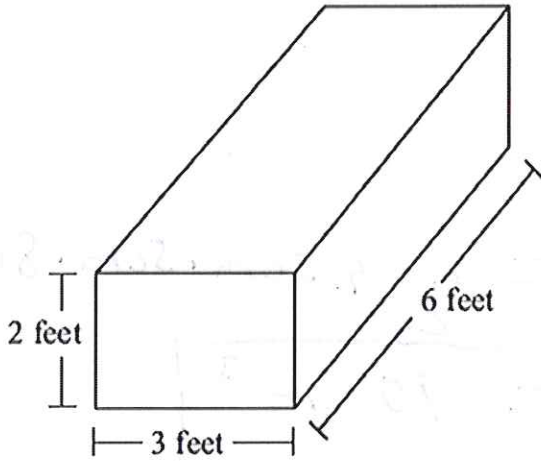
## 7<sup>th</sup> Grade Math

Finding volume of a rectangular prism

$$V = Bh$$

$B =$  Area of the base.  
 $h =$  height of Prism.

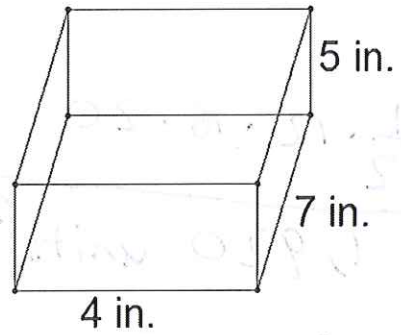
1.



$$V = 2\text{ ft} \cdot 3\text{ ft} \cdot 6\text{ ft}$$

$$V = 36\text{ ft}^3$$

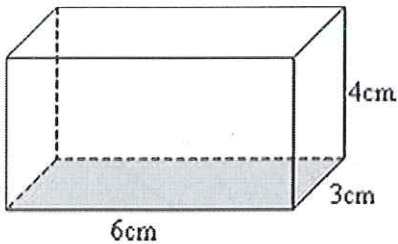
2.



$$V = 4\text{ in} \cdot 5\text{ in} \cdot 7\text{ in}$$

$$V = 140\text{ in}^3$$

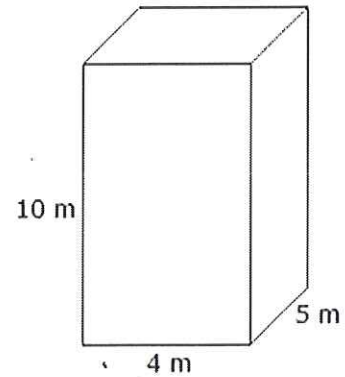
3.



$$V = 3\text{ cm} \cdot 4\text{ cm} \cdot 6\text{ cm}$$

$$V = 72\text{ cm}^3$$

4.



$$V = 4\text{ m} \cdot 5\text{ m} \cdot 10\text{ m}$$

$$V = 200\text{ m}^3$$

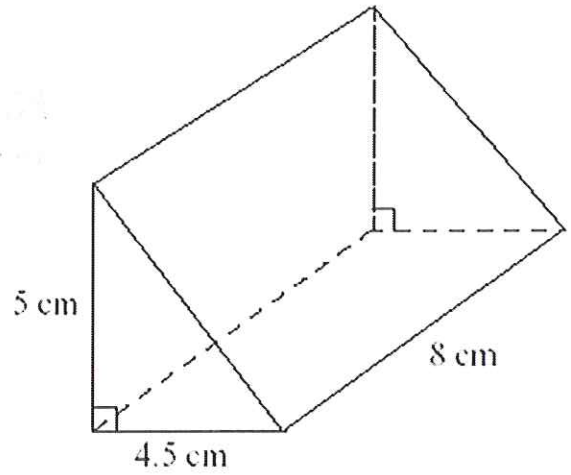
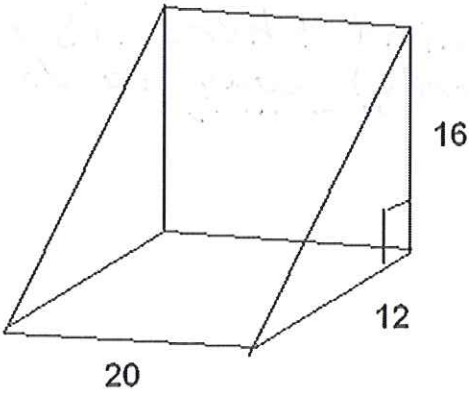
Volume of Triangular Prism

$$V = Bh$$

$B =$  Area of the base.  
 $h =$  height of prism.

1.

2.



$$V = \frac{1}{2} \cdot 12 \cdot 16 \cdot 20$$

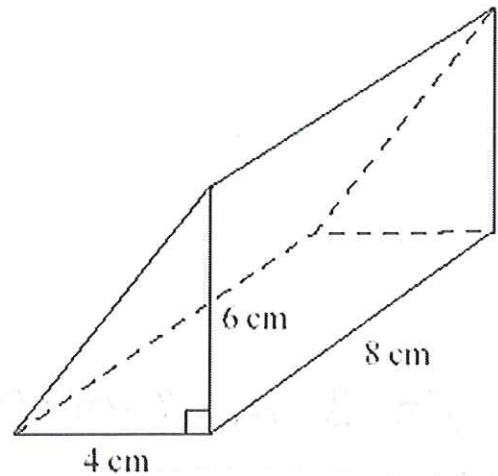
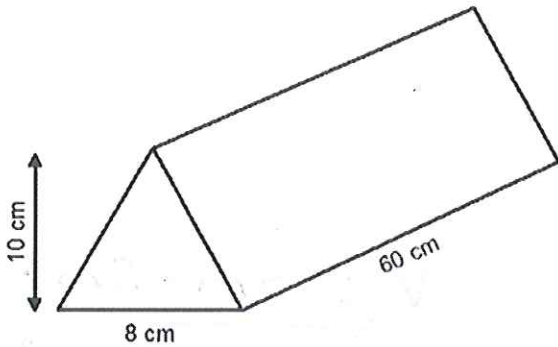
$$V = \frac{1}{2} \cdot 4.5 \text{ cm} \cdot 5 \text{ cm} \cdot 8 \text{ cm}$$

$$V = 1,920 \text{ units}^3$$

$$V = 90 \text{ cm}^3$$

3.

4.



$$V = \frac{1}{2} \cdot 8 \text{ cm} \cdot 10 \text{ cm} \cdot 60 \text{ cm}$$

$$V = \frac{1}{2} \cdot 4 \text{ cm} \cdot 6 \text{ cm} \cdot 8 \text{ cm}$$

$$V = 2,400 \text{ cm}^3$$

$$V = 96 \text{ cm}^3$$