





# Volume of a Right Rectangular Prism

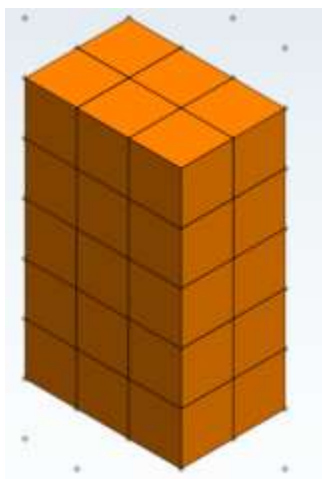
Assignment

Math 5

**Part A:** Use the information from the table below to find the volume of the given figures.

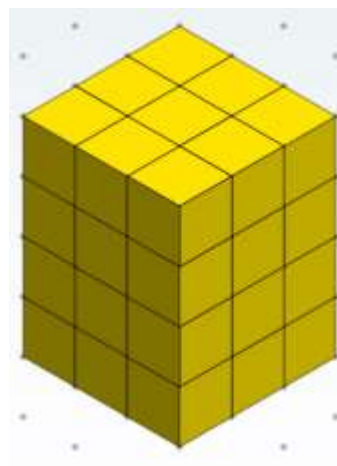
 = 1 in <sup>3</sup>	 = 1 cm <sup>3</sup>
 = 1 ft <sup>3</sup>	 = 1 m <sup>3</sup>

1.



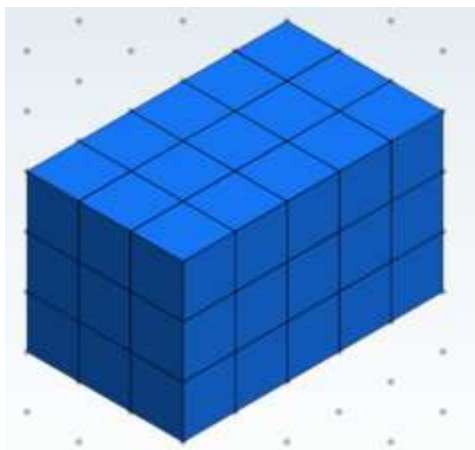
Volume =

2.



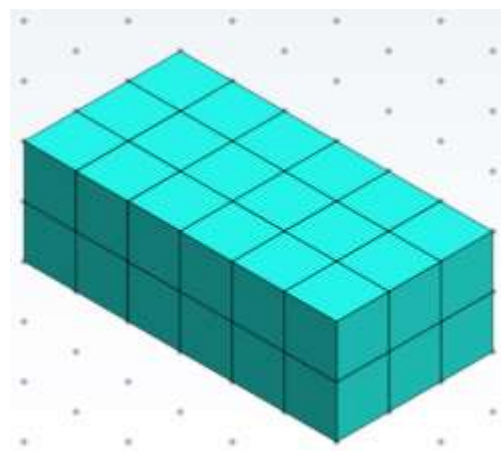
Volume =

3.



Volume =

4.



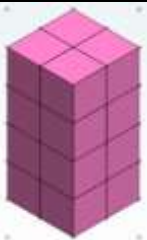
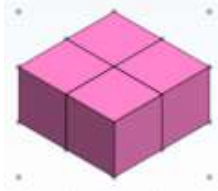
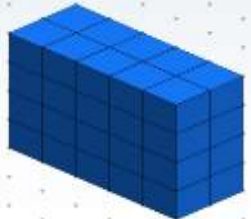

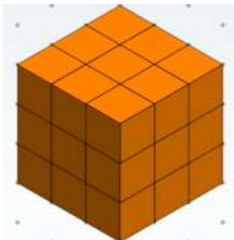
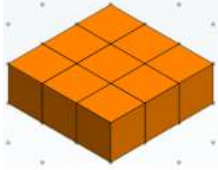
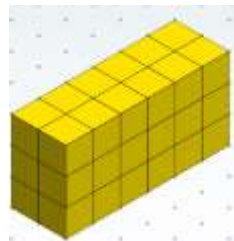



Volume =

**Volume of a Right Rectangular Prism** Assignment

Math 5

**Part B:** Complete the table below given the rectangular prisms shown for each number.

Rectangular Prism	Base	Base Area	Height	Volume
1. 				
2. 				
3. 				
4. 				
5. 				

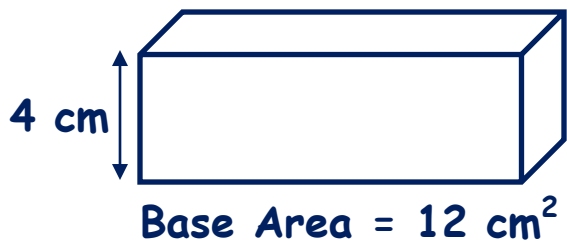
# Volume of a Right Rectangular Prism

Assignment

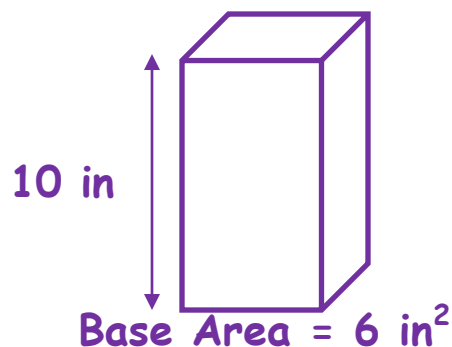
Math 5

**Part C:** Find the volume of the given prisms below.

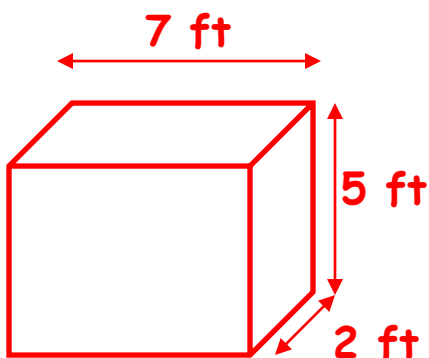
1.



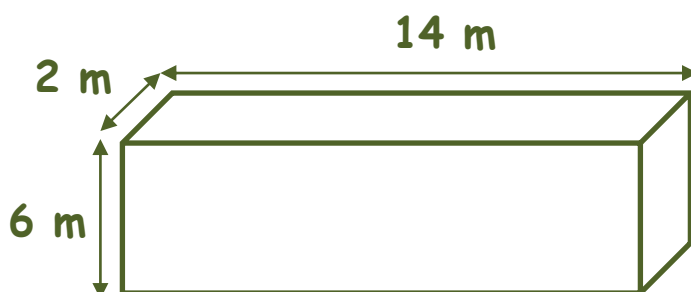
2.



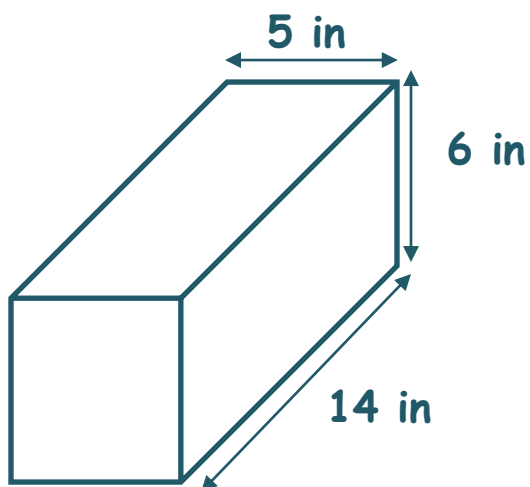
3.



4.







5.



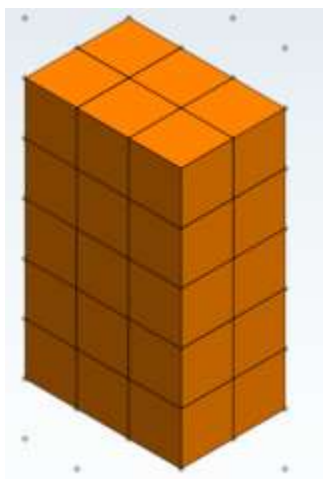
**Volume of a Right Rectangular Prism** Assignment

Math 5

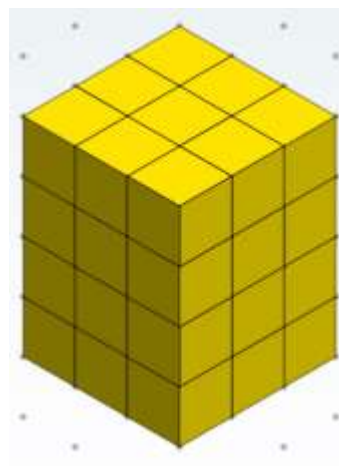
**Part A:** Use the information from the table below to find the volume of the given figures.

 = 1 in <sup>3</sup>	 = 1 cm <sup>3</sup>
 = 1 ft <sup>3</sup>	 = 1 m <sup>3</sup>

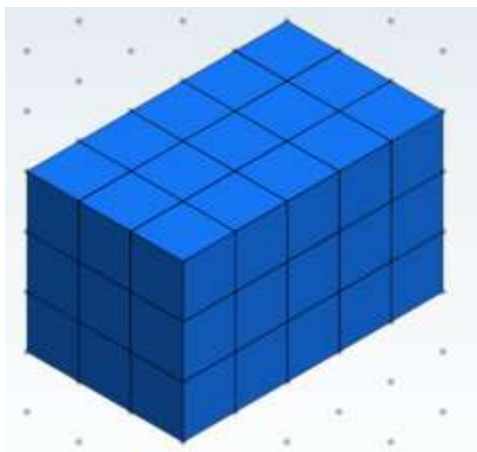
1.

Volume = 45 m<sup>3</sup>

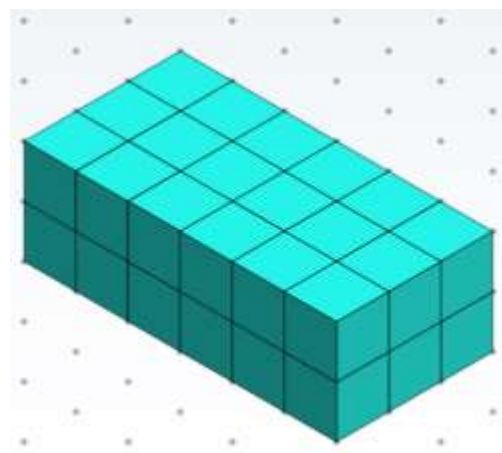
2.

Volume = 36 cm<sup>3</sup>

3.

Volume = 45 in<sup>3</sup>



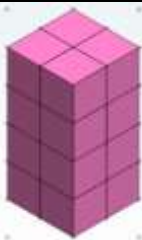
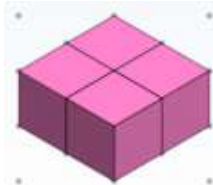
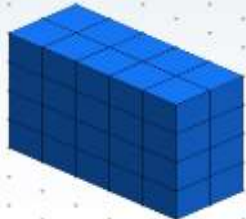

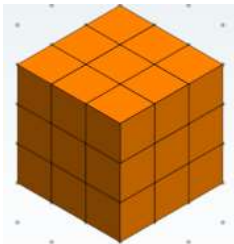
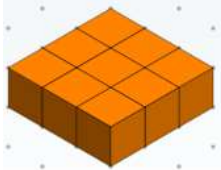


4.

Volume = 36 ft<sup>3</sup>

**Volume of a Right Rectangular Prism** Assignment

Math 5

**Part B:** Complete the table below given the rectangular prisms shown for each number.

Rectangular Prism	Base	Base Area	Height	Volume
1. 		12 units <sup>2</sup>	3 units	36 units <sup>3</sup>
2. 		4 units <sup>2</sup>	4 units	16 units <sup>3</sup>
3. 		10 units <sup>2</sup>	4 units	40 units <sup>3</sup>
4. 		9 units <sup>2</sup>	3 units	27 units <sup>3</sup>
5. 		12 units <sup>2</sup>	3 units	36 units <sup>3</sup>

# Volume of a Right Rectangular Prism

Assignment

Math 5

**Part C:** Find the volume of the given prisms below.

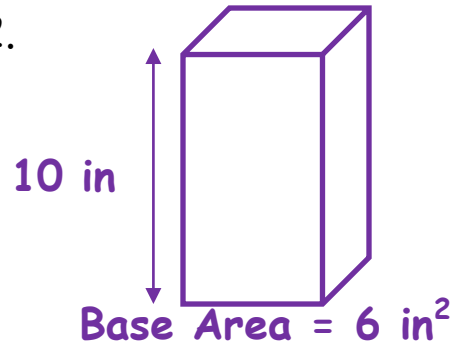
1.



Base Area =  $12 \text{ cm}^2$

$$\text{Volume} = 12 \times 4 = 48 \text{ cm}^3$$

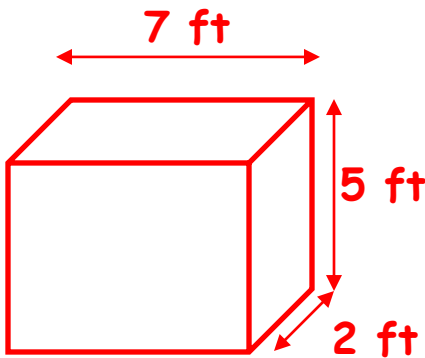
2.



Base Area =  $6 \text{ in}^2$

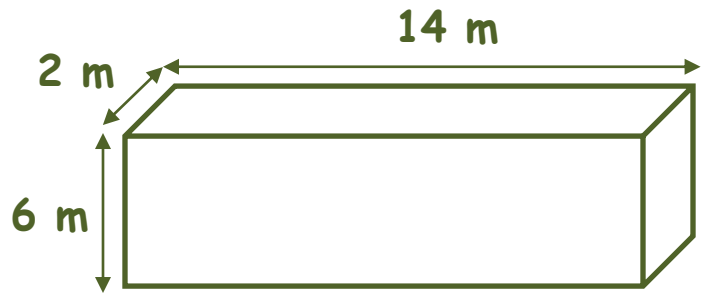
$$\text{Volume} = 10 \times 6 = 60 \text{ in}^3$$

3.



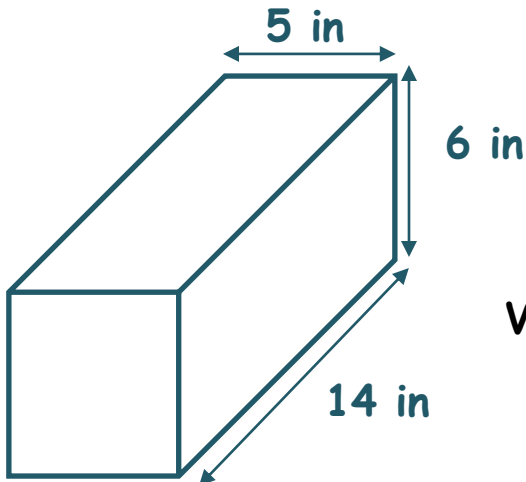
$$\text{Volume} = 2 \times 5 \times 7 = 70 \text{ ft}^3$$

4.



$$\text{Volume} = 2 \times 6 \times 14 = 168 \text{ m}^3$$

5.



$$\text{Volume} = 5 \times 6 \times 14 = 420 \text{ in}^3$$