



# Math Virtual Learning

## 6th Grade Math

Volume of Rectangular Prisms.

April 30, 2020



## 6th Grade Math

### Lesson: April 30, 2020

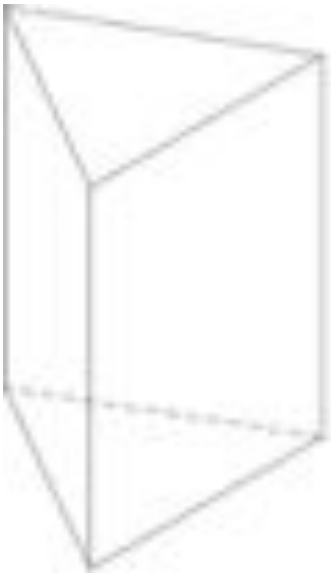
### **Objective/Learning Target:**

Students will find the volume of right rectangular prisms.

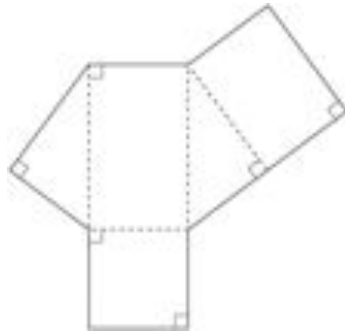
# Daily Warm Up

Write your answers to this question on a notebook sheet of paper:

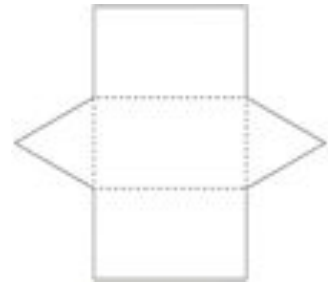
- Which of the following nets fold up to make the triangular prism on the left?



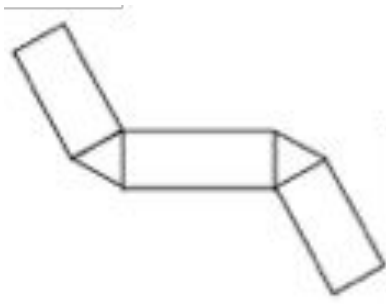
**A.**



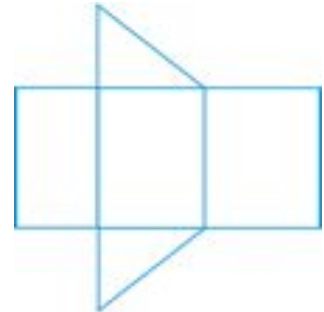
**B.**



**C.**



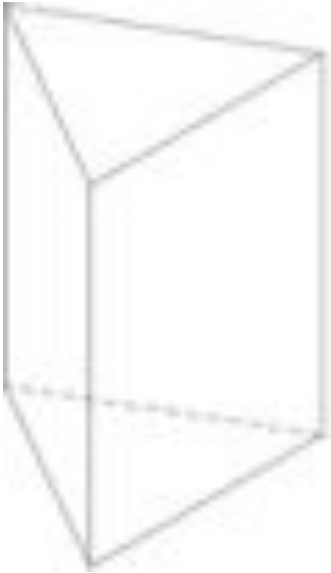
**D.**



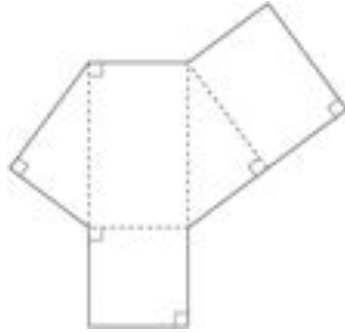
# Daily Warm Up Answers

Write your answers to this question on a notebook sheet of paper:

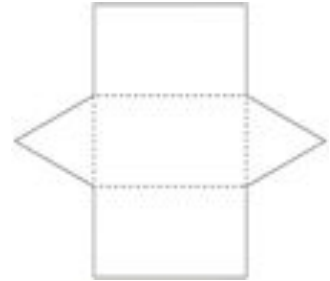
- Which of the following nets fold up to make the triangular prism on the left?



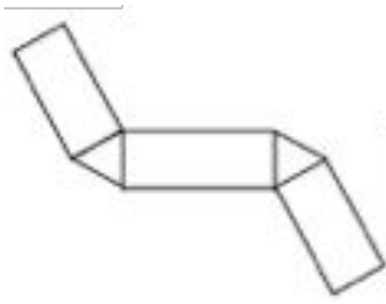
A.



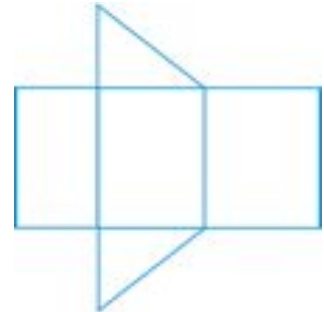
B.

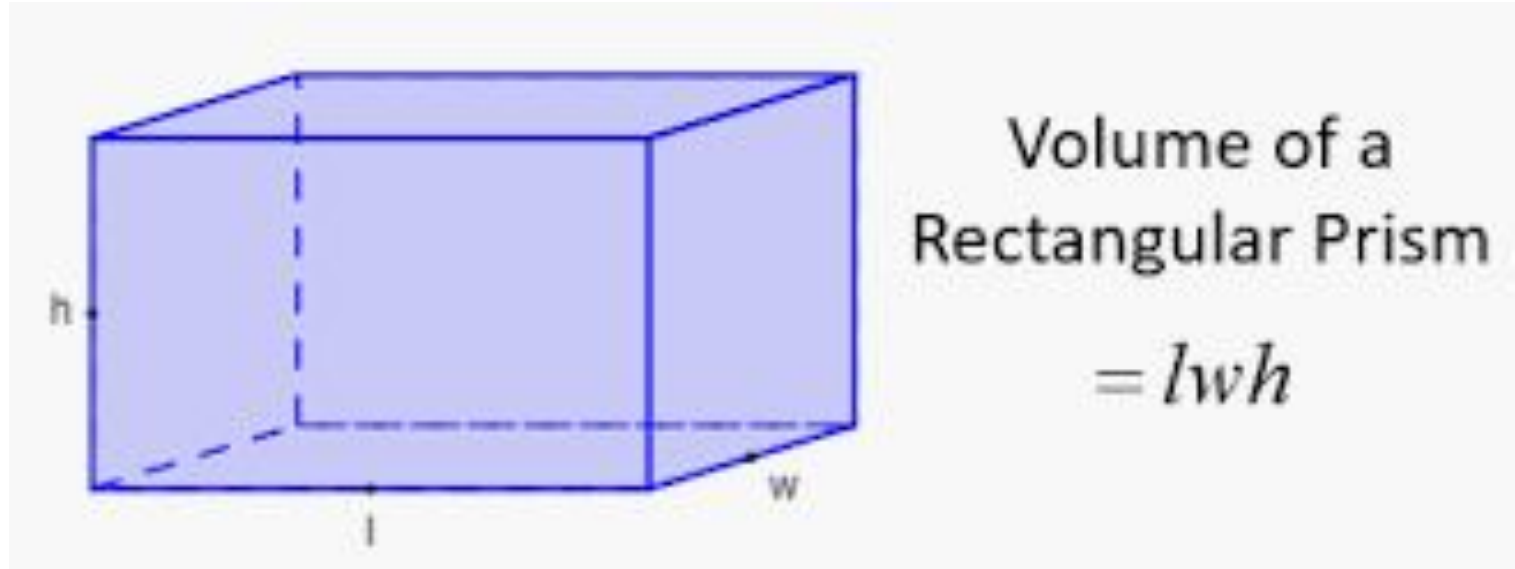


C.



D.





$l = \text{length}$     $w = \text{width}$     $h = \text{height}$

Multiply the length x width x height

# Lesson

## Volume of a Rectangular Prism

# Practice

## Khan Practice

# Practice

Use this link to explore different nets of rectangular prisms.

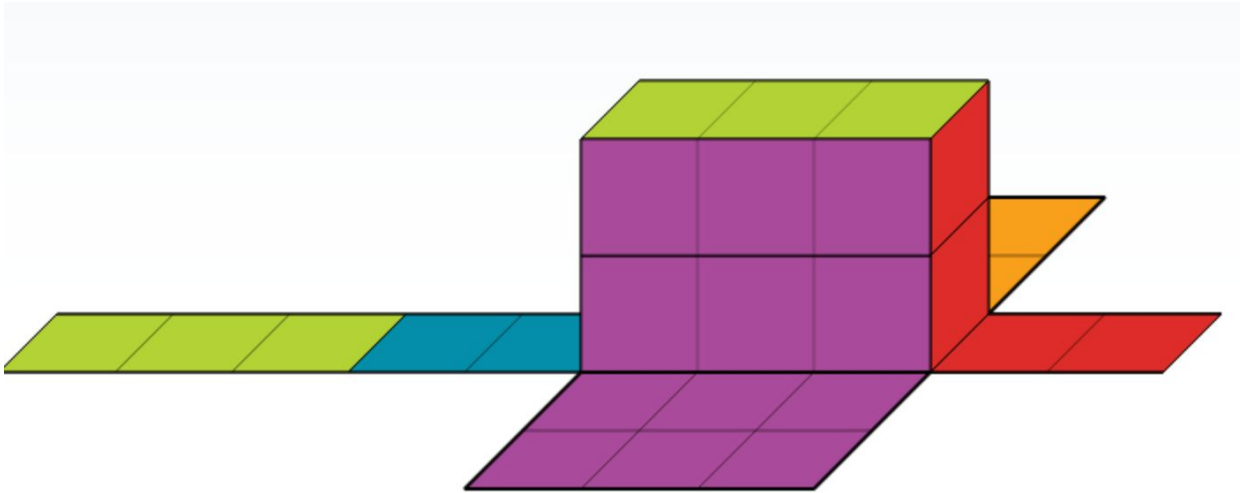
[Rectangular Prism Generator](#)

Click this gear button to build the rectangular prisms on the next slides.



# Quick Tips

**Volume** is the **filling** of a 3D shape - the number of cube units that make up the inside of the shape



*6 cubic units for the volume of this rectangular prism*



<b>Box Number</b>	<b>Width</b>	<b>Depth</b>	<b>Height</b>	<b>Volume</b>
<b>Box #1</b>	4 units	5 units	3 units	
<b>Box #2</b>	4 units	4 units	4 units	
<b>Box #3</b>	5 units	2 units	2 units	
<b>Box #4</b>	3 units	2 units	10 units	

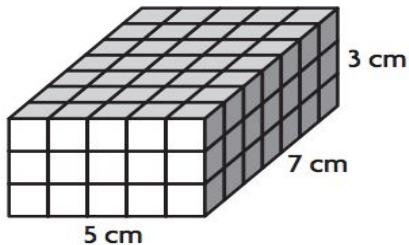
**A  
N  
S  
W  
E  
R  
S**

<b>Box Number</b>	<b>Width</b>	<b>Depth</b>	<b>Height</b>	<b>Volume</b>
<b>Box #1</b>	4 units	5 units	3 units	60 cubic units
<b>Box #2</b>	4 units	4 units	4 units	64 cubic units
<b>Box #3</b>	5 units	2 units	2 units	20 cubic units
<b>Box #4</b>	3 units	2 units	10 units	60 cubic units

# Practice

Use the unit given. Find the volume.

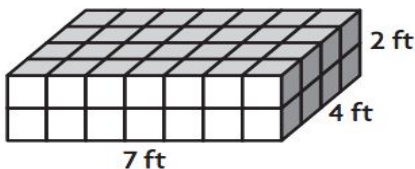
1.



Each cube = 1 cu cm

Volume = 105 cu cm

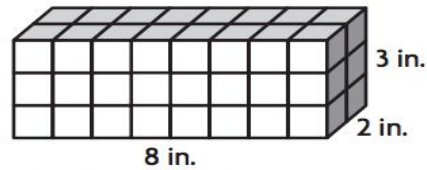
3.



Each cube = 1 cu ft

Volume = \_\_\_\_\_ cu \_\_\_\_\_

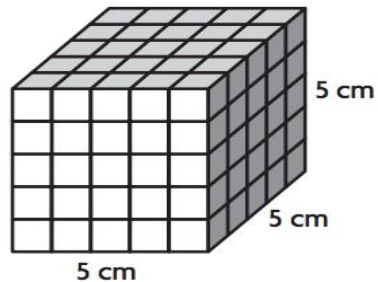
2.



Each cube = 1 cu in.

Volume = \_\_\_\_\_ cu \_\_\_\_\_

4.



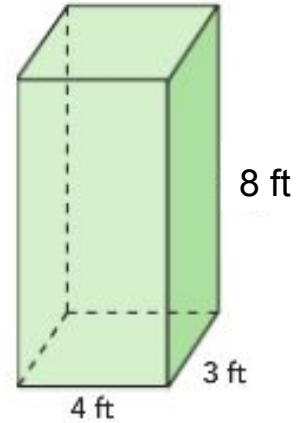
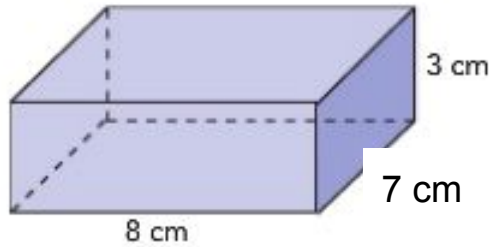
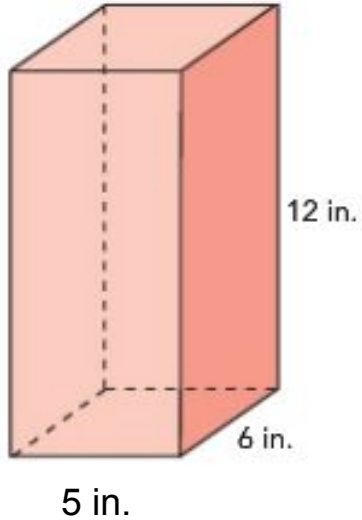
Each cube = 1 cu cm

Volume = \_\_\_\_\_ cu \_\_\_\_\_

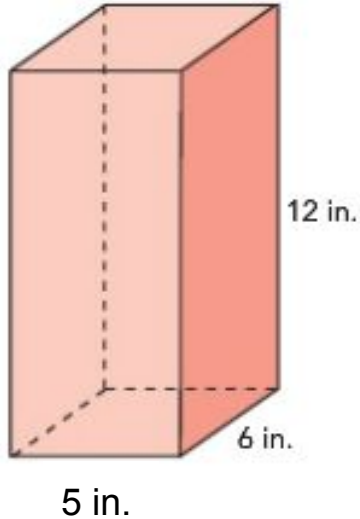
# Practice Answers

1. 105 cu cm
2. 48 cu in
3. 56 cu ft
4. 125 cu cm

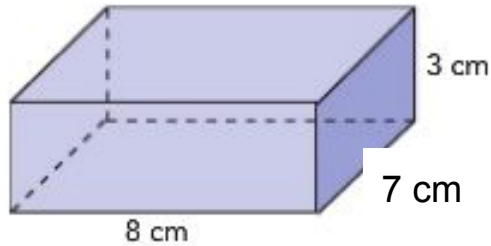
Find the Volume of each rectangular prism!



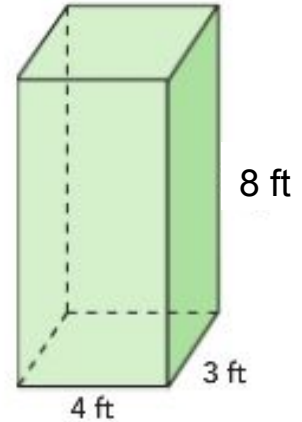
# Find the Volume of each rectangular prism! Answers



**V= 360 Cubic Inches**



**V= 168 Cubic Centimeters**



**V= 96 Cubic Feet**

## **Additional Practice:**

Click on the link below to get additional practice and to check your understanding!

**Practice:**

[IXL Practice](#)

[Volume of Rectangular Prism](#)

**Summary/Reflection:**

What new information have I learned from this assignment?