<u>Day 1</u>: April 13^{th,} 2020 Volume of Rectangular Prisms with Whole Numbers

Volume = Length x Width x Height $V = L \times W \times H$

Warm Up (Do on a piece of paper): YOU WILL NOT SUBMIT THIS

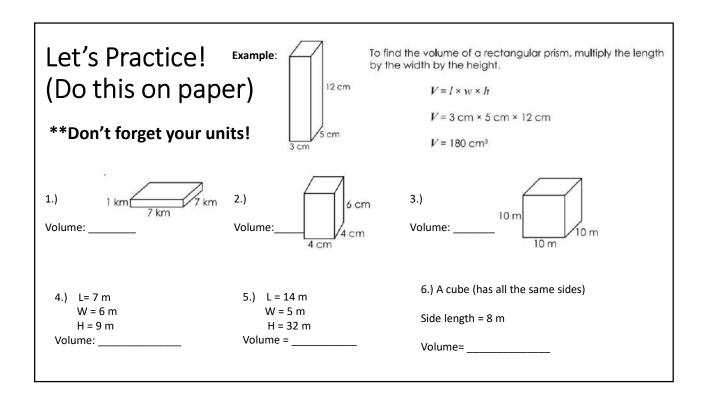
- •1.) 17 x 24 =
- •2.) 15 x 56 =
- •3.) 45 x 84 =
- •4.) 12 x 32 =
- •5.) 68 x 90 =

Volume:

- https://www.khanacademy.org/math/basic-geo/basic-geo-volumesa/volume-rect-prism/v/volume-of-a-rectangular-prism-or-boxexamples
- Please watch the video above for a review tutorial on finding the volume of rectangular prisms

Volume Notes (Step by Step): Please write these down as they will be used all week:

- Step 1: Find the length of the rectangular prism. The length is the longest side of the flat surface of the rectangle on the top or bottom of the rectangular prism.
- Step 2: **Find the width of the rectangular prism.** The width is the shorter side of the flat surface of the rectangle on the top or bottom of the rectangular prism
- Step 3: **Find the height of the rectangular prism.** The height is the part of the rectangular prism that rises up. Imagine that the height is what stretches up a flat rectangle until it becomes a three-dimensional shape.
- Step 4:
 Multiply the length, the width, and the height. You can multiply them in any order to get the same different result. The formula for finding the volume of a rectangular prism is the following: Volume = Length * Height * Width, or V = L * H * W
- **State your answer in cubic units.** Since you're calculating volume, you're working in a three-dimensional space. Just take your answer and state it in cubic units. Whether you're working in feet, inches, or centimeters, you should state your answer in cubic units. So will become 60 in³.



Additional Practice (if needed):

- IXL Practice: 6th Grade Math
- FF. Geometric Measurement: 14. Volume of cubes and rectangular prisms
- https://www.ixl.com/math/grade-6

<u>Day 2</u>: April 14^{th,} 2020 Volume of Rectangular Prisms with Decimals

Volume = Length x Width x Height $V = L \times W \times H$

Warm up Problems or <u>Link</u> for Decimals

- 1) 34.5 x 5.6=
- 2) 78.2 x 2.3=
- 3) 2.3 x 5.6 x 1.8=

Notes:

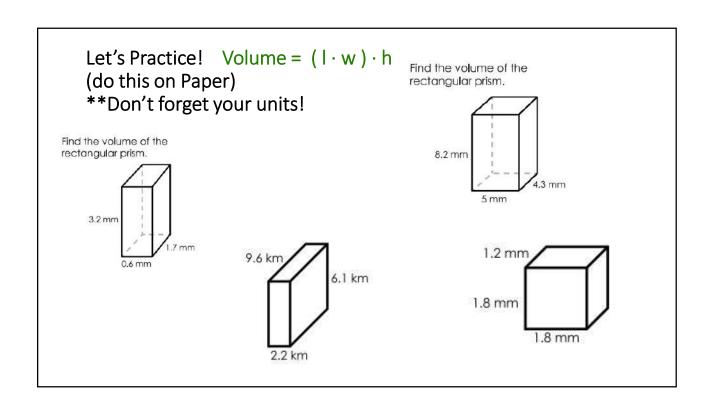
On Day 1 you took notes. Add this to your notes. When using decimals, *first* multiply to get the answer, *then*

Count up all of the numbers of digits that are located at the right side of the decimal points of the factors.

Here is a Video Link to Explain:

https://www.wikihow.com/Multiply-Decimals

$$3.77 \times 2.8 = ?$$
 $3.77 \text{ (2 decimal places)}$
 $\times 2.8 \text{ (1 decimal place)}$
 3016
 $+754$
 $10.556 \text{ (3 decimal places)}$



Let's Practice! Volume = (I·w)·h (do this on Paper) **Don't forget your units!

length = 3.9 cm length = 6.2 cm width = 5.5 cm width = 2 cm

height = 4 cm height = 1.3 cm

What is the volume? What is the volume?

Additional Practice if needed:

- IXL Practice: 6th Grade Math
- H.2 Multiplying Decimals

https://www.ixl.com/math/grade-6/multiply-decimals

Or https://study.com/academy/lesson/multiplying-decimals-rules-steps-examples.html

<u>Day 3</u>: April 15^{th,} 2020 *No New Work Today* Finish any work from Day 1 or 2

Volume = Length x Width x Height $V = L \times W \times H$

<u>Day 4</u>: April 16^{th,} 2020 Volume of Rectangular Prisms with Fractions

Volume = Length x Width x Height $V = L \times W \times H$

- 1.Warm Up Multiply Fractions
- 2.Instructional Video Multiply **Fractions**
- 3. Calculate Volume with fractions side lengths
- -instructional notes
- - practice problems
- 4. Khan Academy practice
- Khan Academy Practice

Warm up Problems:

Name

Multiply.

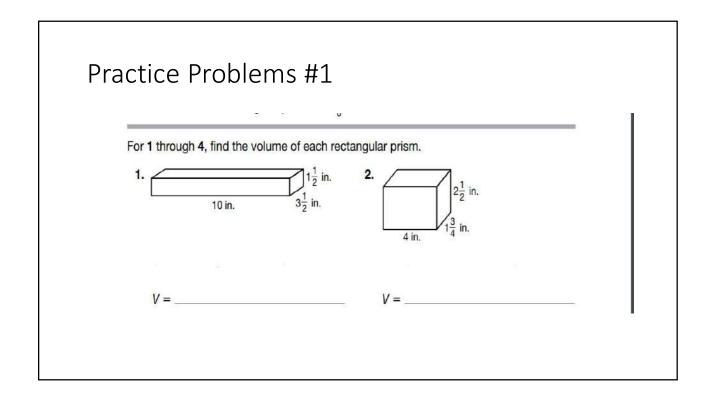
1.
$$\frac{2}{3} \cdot \frac{4}{5} =$$

1.
$$\frac{2}{3} \cdot \frac{4}{5} =$$
 2. $\frac{3}{4} \cdot \frac{5}{6} =$ 3. $\frac{5}{9} \cdot 12 =$

3.
$$\frac{5}{0}$$
 · 12 =

4.
$$\frac{3}{7} \cdot \frac{7}{12} =$$

5.
$$\frac{9}{10} \cdot \frac{2}{3} =$$



Volume with Fractional Edge Lengths Find the volume of each rectangular prism. 2. 2 2 10 mm 10 cm 10

Friday Day 5: Quiz Volume of rectangular prisms

