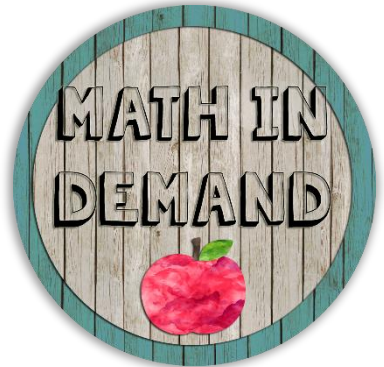


VOLUME OF PRISMS

INTERACTIVE NOTEBOOK NOTES

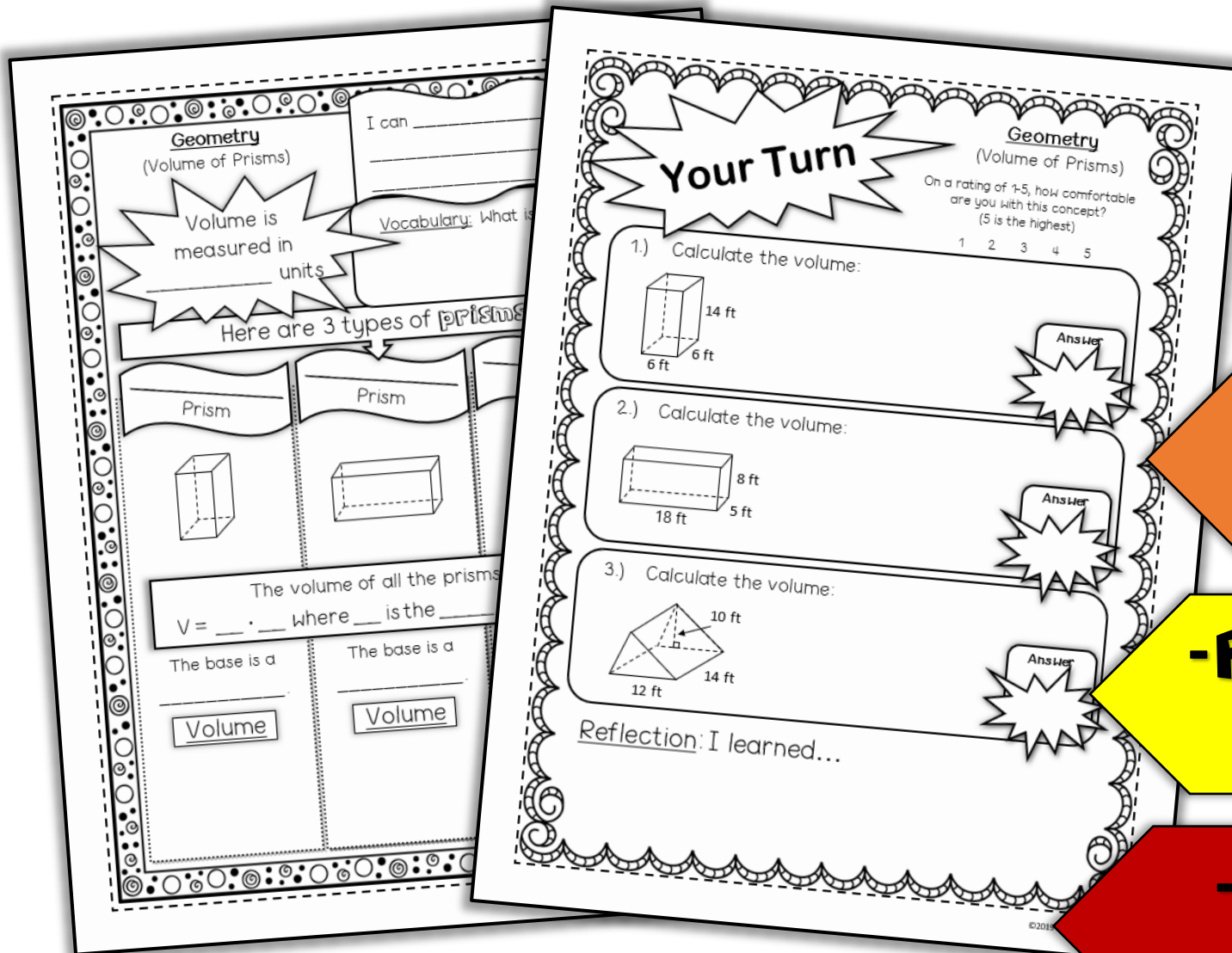


INCLUDES:

-SQUARE PRISM

-RECTANGULAR PRISM

-TRIANGULAR PRISM



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with

Math in Demand

Please check out my blog to download freebies, see pictures of my classroom, and learn new strategies that can be used in the classroom!



THANK YOU!!!

Click the buttons to see my Teachers Pay Teachers store or check out my social media!

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Math in Demand

Teacher Notes

- I have my students glue the two pages in their interactive notebooks.
- I like to go over the first page with my students then have them apply what they learned on the second page.
- I will walk around the classroom and check for understanding.
- I will call students up to the board to perform the three problems given on the second page.
- These are only suggestions. You can decide however you want to present the material to your students.
- If you have any questions or concerns, please email me at mathindemand@hotmail.com.

Geometry
(Volume of Prisms)

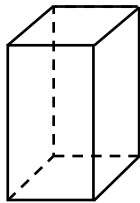
I can _____

Volume is
measured in
_____ units

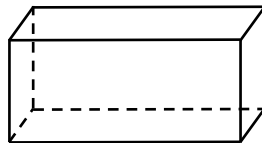
Vocabulary: What is volume?

Here are 3 types of prisms:

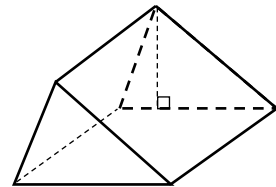
Prism



Prism



Prism



The volume of all the prisms are:

$V = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}}$ where $\underline{\hspace{1cm}}$ is the $\underline{\hspace{1cm}}$ of the $\underline{\hspace{1cm}}$.

The base is a

Volume

The base is a

Volume

The base is a

Volume

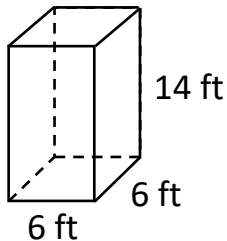
Your Turn

Geometry (Volume of Prisms)

On a rating of 1-5, how comfortable
are you with this concept?
(5 is the highest)

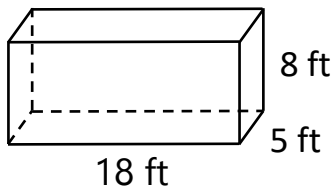
1 2 3 4 5

1.) Calculate the volume:



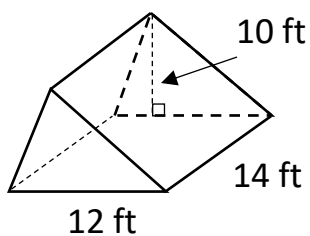
Answer

2.) Calculate the volume:



Answer

3.) Calculate the volume:



Answer

Reflection: I learned...

Geometry
(Volume of Prisms)

Volume is
measured in
cubic units

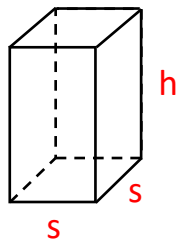
I can calculate the volume of a
square prism, rectangular
prism, and triangular prism.

Vocabulary: What is volume?

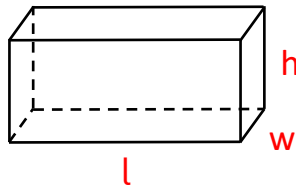
Volume is the amount of
space that an object occupies.

Here are 3 types of prisms:

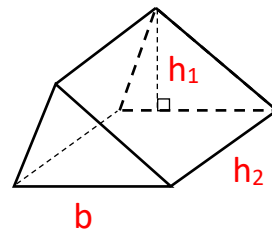
Square
Prism



Rectangular
Prism



Triangular
Prism



The volume of all the prisms are:

$V = \underline{B} \cdot \underline{h}$ where B is the area of the base.

The base is a
square

Volume

$$V = B \cdot h$$

$$V = (s^2) \cdot h$$

The base is a
rectangle

Volume

$$V = B \cdot h$$

$$V = (l \cdot w) \cdot h$$

The base is a
triangle

Volume

$$V = B \cdot h$$

$$V = \left(\frac{1}{2}bh_1\right) \cdot h_2$$

Your Turn

Geometry

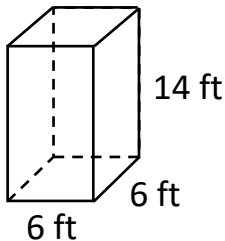
(Volume of Prisms)

On a rating of 1-5, how comfortable are you with this concept?

(5 is the highest)

1 2 3 4 5

1.) Calculate the volume:



$$V = (s^2) \cdot h$$

$$V = (6^2 \text{ft}^2) \cdot 14 \text{ft}$$

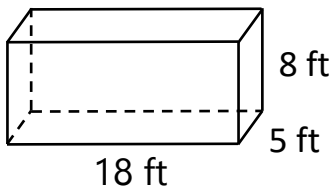
$$V = (36 \text{ft}^2) \cdot 14 \text{ft}$$

$$V = 504 \text{ft}^3$$

Answer

$$504 \text{ft}^3$$

2.) Calculate the volume:



$$V = (l \cdot w) \cdot h$$

$$V = (18 \text{ft} \cdot 5 \text{ft}) \cdot 8 \text{ft}$$

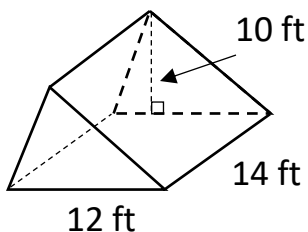
$$V = (90 \text{ft}^2) \cdot 8 \text{ft}$$

$$V = 720 \text{ft}^3$$

Answer

$$720 \text{ft}^3$$

3.) Calculate the volume: $V = (\frac{1}{2}bh_1) \cdot h$



$$V = (\frac{1}{2}12 \text{ft} \cdot 10 \text{ft}) \cdot 14 \text{ft}$$

$$V = (60 \text{ft}^2) \cdot 14 \text{ft}$$

$$V = 840 \text{ft}^3$$

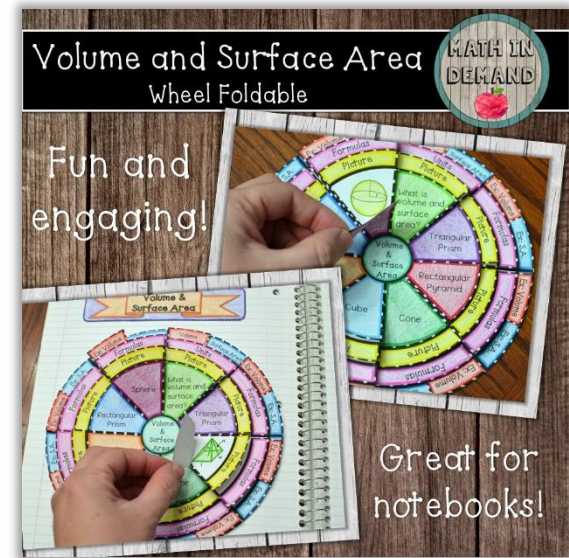
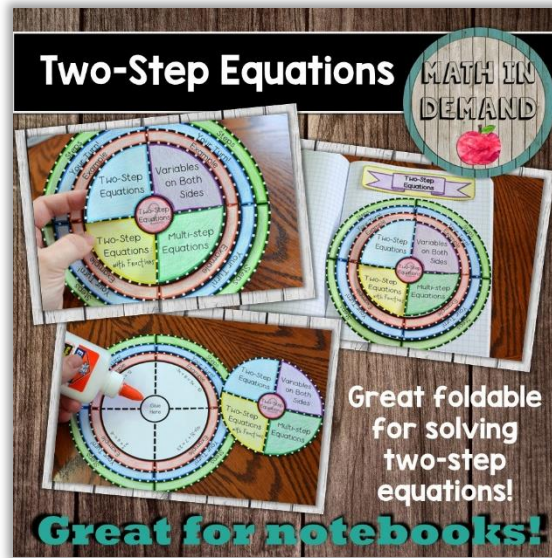
Answer

$$840 \text{ft}^3$$

Reflection: I learned...

Recommendations

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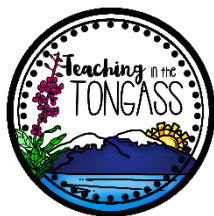
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