Volume of Pyramids
Interactive Notebook Notes

MATH IN DEMAND
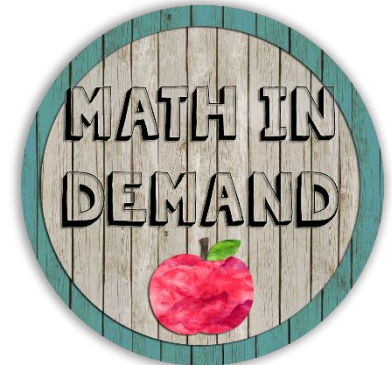
INCLUDES:

- Square Pyramid
- Rectangular Pyramid
- Triangular Pyramid

Geometry
(Volume of Pyramids)

I can _____

Volume is measured in ____ units

Vocabulary: What is vo...

Here are 3 types of pyramids ...

___ Pyramid   ___ Pyramid   ___ Py...

The volume of all the pyramids a...

V = ___ · ___ · ___ where ___ is th...

The base is a ____   The base is a ____

Volume   Volume

Your Turn

Geometry
(Volume of Pyramids)

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:

15 ft
12 ft
12 ft

Answer

2.) Calculate the volume:

8 ft
14 ft
9 ft

Answer

3.) Calculate the volume:

10 ft
4 ft
15 ft

Answer

Reflection: I learned...

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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!

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

THANK YOU!!!

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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.

I can _____
_____
_____

Volume is measured in _____ units
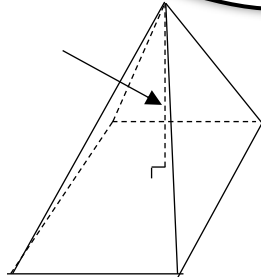
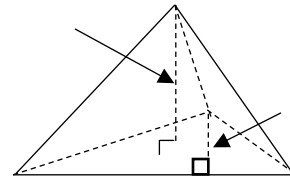Vocabulary: What is volume?

Here are 3 types of **pyramids**:
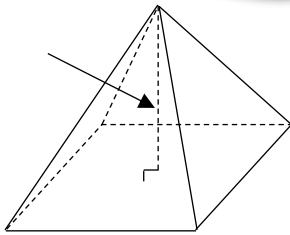
_____ Pyramid

_____ Pyramid

_____ Pyramid

The volume of all the pyramids are:

V = _____ · _____ · _____ where _____ is the _____.

The base is a
_____.

The base is a
_____.

The base is a
_____.

Volume

Volume

Volume

Your Turn

On a rating of 1-5, how comfortable are you with this concept?
(5 is the highest)
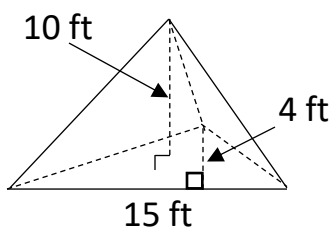
1   2   3   4   5

1.) Calculate the volume:

15 ft

12 ft

12 ft

Answer

2.) Calculate the volume:

8 ft

14 ft

9 ft

Answer

3.) Calculate the volume:

10 ft

4 ft

15 ft

Answer

Reflection: I learned...

Geometry
(Volume of Pyramids)

I can <u>calculate the volume of a</u> <u>square pyramid, rectangular</u> <u>pyramid, and triangular pyramid</u>.
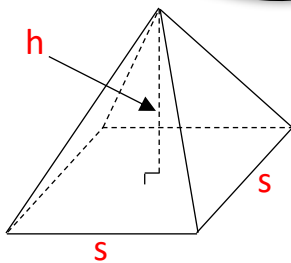
Volume is measured in <u>cubic</u> units
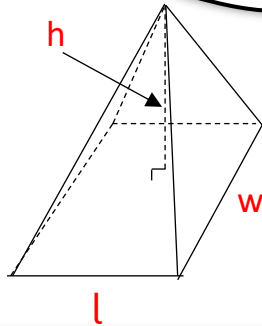
<u>Vocabulary</u>: What is volume?

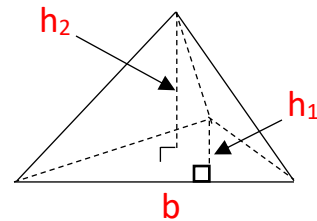Volume is the amount of space that an object occupies.

Here are 3 types of pyramids:

<u>Square</u> Pyramid	<u>Rectangular</u> Pyramid	<u>Triangular</u> Pyramid

The volume of all the pyramids are:

$$V = \frac{1}{3} \cdot B \cdot h \text{ where } B \text{ is the } \underline{base}.$$

The base is a <u>Square</u>.	The base is a <u>Rectangle</u>.	The base is a <u>Triangle</u>.
Volume	**Volume**	**Volume**
$V = \frac{1}{3} \cdot B \cdot h$	$V = \frac{1}{3} \cdot B \cdot h$	$V = \frac{1}{3} \cdot B \cdot h$
$V = \frac{1}{3} \cdot (s^2) \cdot h$	$V = \frac{1}{3} \cdot (l \cdot w) \cdot h$	$V = \frac{1}{3} \cdot (\frac{1}{2}bh_1) \cdot h_2$

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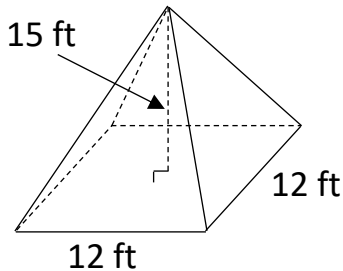
On a rating of 1-5, how comfortable
are you with this concept?
(5 is the highest)

1   2   3   4   5

1.) Calculate the volume:

15 ft

12 ft

12 ft

$V = \frac{1}{3} \cdot (s^2) \cdot h$

$V = \frac{1}{3} \cdot (12ft)^2 \cdot 15ft$
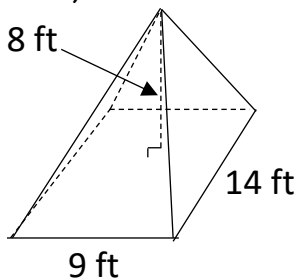
$V = \frac{1}{3} \cdot (144ft^2) \cdot 15ft$

$V = \frac{1}{3} \cdot (2,160ft^3)$

$V = 720ft^3$

Answer

$720ft^3$

2.) Calculate the volume:

8 ft

14 ft

9 ft

$V = \frac{1}{3} \cdot (l \cdot w) \cdot h$

$V = \frac{1}{3} \cdot (9ft \cdot 14ft) \cdot 8ft$

$V = \frac{1}{3} \cdot (126ft^2) \cdot 8ft$

$V = \frac{1}{3} \cdot (1,008ft^3)$

$V = 336ft^3$

Answer

$336ft^3$

3.) Calculate the volume:

10 ft

4 ft
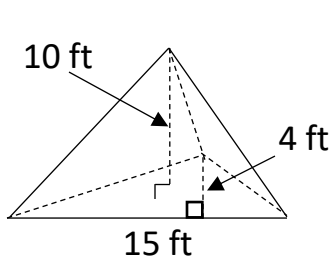
15 ft

$V = \frac{1}{3} \cdot (\frac{1}{2}bh_1) \cdot h$

$V = \frac{1}{3} \cdot (\frac{1}{2}15ft \cdot 4ft) \cdot 10ft$

$V = \frac{1}{3} \cdot (30ft^2) \cdot 10ft$
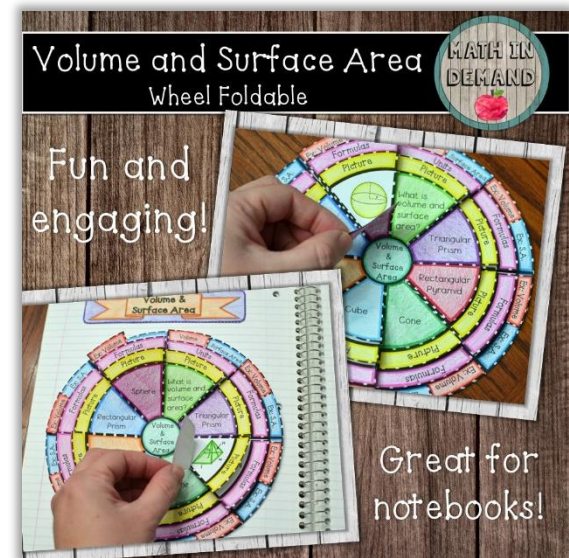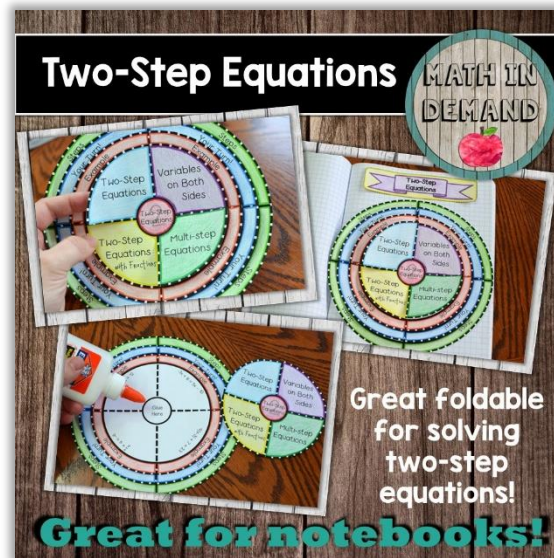
$V = \frac{1}{3} \cdot (300ft^3)$

$V = 100ft^3$

Answer

$100ft^3$

Reflection: I learned...

Recommendations

Love my interactive notes and want to check out other resources?

Slope Puzzle Activity
Cut & Paste Activity

Two-Step Equations
Great foldable for solving two-step equations!
Great for notebooks!

Volume and Surface Area Wheel Foldable
Fun and engaging!
Great for notebooks!

I offer lots of hands on activities! Don't forget that you can save money by buying bundles!

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