Ms. Thomases Days 11-20 8th grade Math Resource
NTI Assignments

Days 11- 15: *Hello! Hope everyone is well. I miss you all!*

This week you will review some previously learned concepts with VOLUME and CIRCLES.. 8th grade is required to cover **Volume of a cylinder, sphere and a cone**, but I want to take a step back and review some volume basics like Volume of a rectangular prism, and circles.   This week you receive one lesson A DAY in math and all subjects.

If you need any help please:
- call me at 234-7123 or
- Call or text at my personal cell phone # of 859-298-8096   (try this first)
- Or face time me

Here is what is included in my packet:
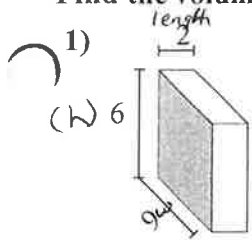
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*Work to turn if for a grade are bolded

$V = L \times W \times H$ Page 2
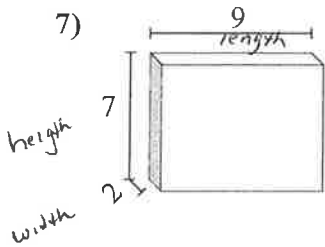
Finding Volume Of Rectangular Prisms   Name:

Find the volume of each of the rectangular prisms. Measured in cm (not to scale).

1) length 2 (W) 6 width 9

Example:
$V = 2 \times 6 \times 9$
$V = 108 \, cm^3$

2) length 9 height 7 width 9

3) length 9 height 4 width 5

4) length 2 height 7 width 6

5) length 7 height 9 width 9

6) length 2 height 4 width 9

7) length 9 height 7 width 2

8) length 2 height 4 width 1

9) length 2 height 2 width 2

10) 2   6   5

Fill in blanks with words
Length width heigth
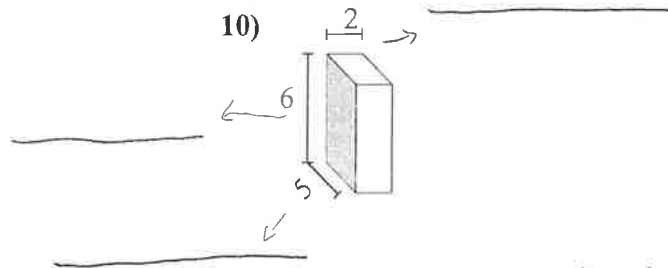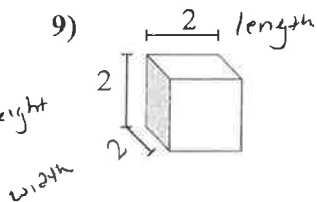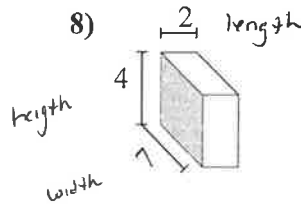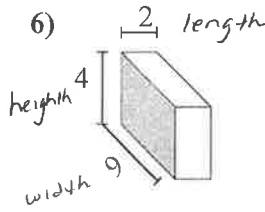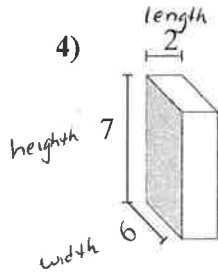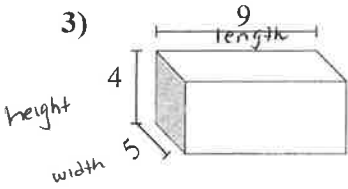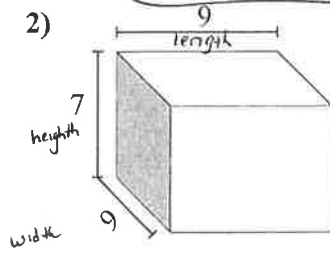
1. $108 \, cm^3$
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Answer Bank

60 cm³	84 cm³
108 cm³	56 cm³
567 cm³	8 cm³
180 cm³	567 cm³
126 cm³	72 cm³

Finding Volume Of Rectangular Prisms

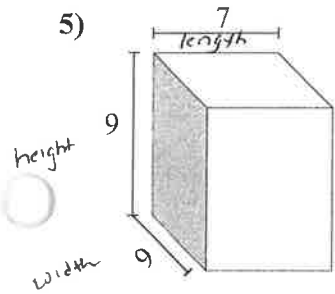Name:

Find the volume of each of the rectangular prisms. Measured in cm (not to scale).

Answers

1)

4

6

8

2)

4

6

2

3)

3

9

4

4)

8

9

4

5)

4

3

2

6)

3

3

2

7)

6

8

9

8)

8

3

6

9)

8

5

4

10)

3

8

9
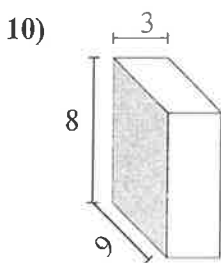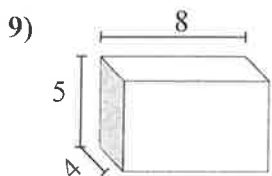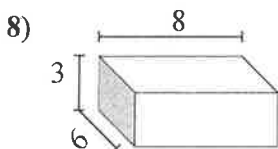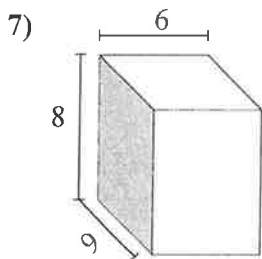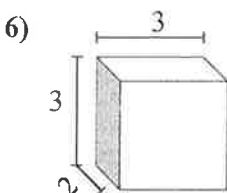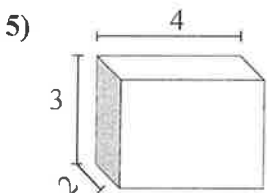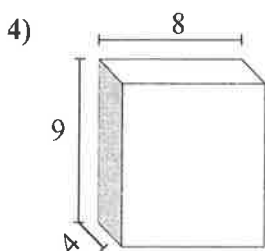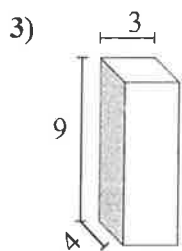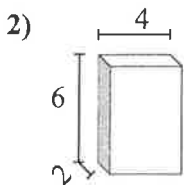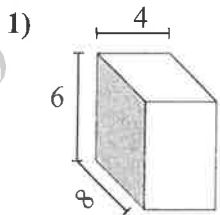
Example

$V = 3 \times 8 \times 9$

$V = 216 cm3$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _216 cm³_

1. Do: Warm up Page Day 13 Problems #4-6	2. Do Day 13: Finding Volume (word) #1-5 *You will use this page for warm up Day 14*
	If you need any help please: • call me at 234-7123 or • at my personal cell phone # of 859-298-8096 • Or face time me

Day 14: Hello! Today we will start with a warm up of volume and then go to review of **finding the Area of a Circle**

1. **Do** Day 13 Finding Volume (word) #6-8	**2.Watch:** https://www.youtube.com/watch?v=y21muf5IOz4 **Write th**e Area of a circle formula here: _____ **Read:** Circle Basics below **The Circle Basics** Center · Radius Diameter The length of the path along the blue chain is the circumference of the circle
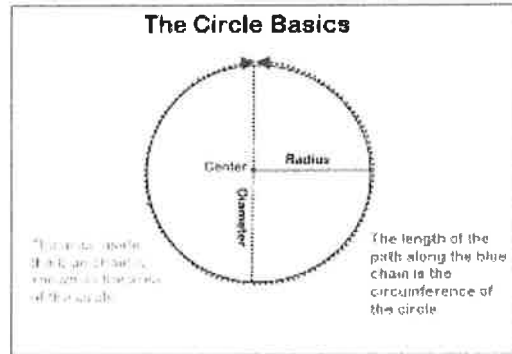
Day 14 Continued

#3 of Day 14: **Watch:** https://www.youtube.com/watch?v=y21muf5IOz4	**#4: Complete** Day 14 Work If you need any help please: • call me at 234-7123 or • at my personal cell phone # of 859-298-8096 • Or face time me

⭐ **2** What is the Area of this circle?_____

4 in

Think about it:

Which is given, the radius or the diameter?

So, what is the radius?

Work it out:
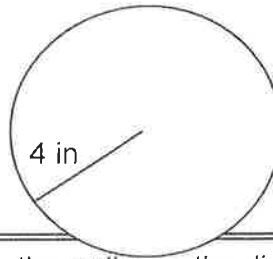
1. Write the formula.
2. Plug in the numbers.
3. Square the radius. (Multiply radius x radius)
4. Multiply to get the answer.
5. Label the answer with the correct measurement.
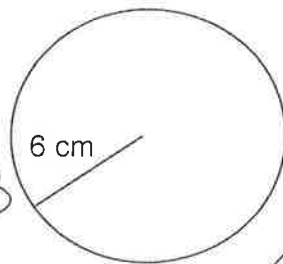
Work it out:

Step 1: _____

Step 2: _____

Step 3: _____

Step 4: _____

This answer makes sense because:

- -

⭐ **3** What is the Area of this circle?_____

6 cm

Think about it:

Which is given, the radius or the diameter?

So, what is the radius?

Work it out:

Step 1: _____

Step 2: _____

Step 3: _____

Step 4: _____

This answer makes sense because:

Do: **Finding the area of a circle.**

- Use 3.14 for pi π
- Round to the tenth place.......ex. 8.67 (is in the range of 5 and above give it a shove) So the 6 becomes a 7.   Final answer: 8.7
- I have provided an example for **diameter** with faded hints as you go(#1) and #4 for **radius**
- Complete all sections of A =

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