Mrs. Faour/Module 5-Lesson 5

Objective: Use multiplication to connect volume as *packing* with volume as *filling*.

Problem –Set page/Watch Video

Fluency Practice / Watch Video

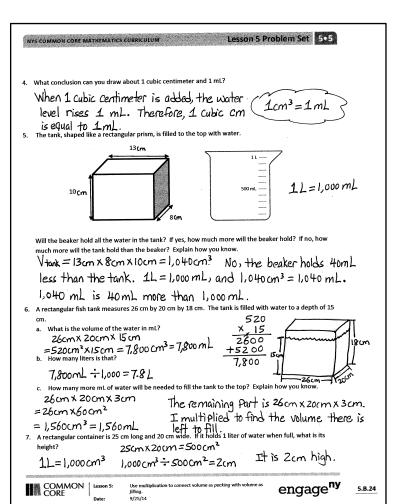
Application Problem/Watch Video

Lesson 5/Requirements:

- ✓ Review Class Note/use your math notebook
- √ Homework page/Submit
- ✓ Exit Ticket page/Submit

Problem-Set/Answer key

ne Ch	rissy			Date	
Determine t multiplying.	the volume of two box	es on the table	using cubes an	d then confirm	by measuring and
Box Number:	Number of cubes packed:	Length	Measurements: Width	Height	Volume:
1	32	4cm	4cm	2 cm	32 cm 3
2	20	2cm	Scm	2 cm	20 cm 3
	mL 10- 9- 8- 7-	mL 10 - 9 - 8 - 7 -		mL 10 - 9 - 8 - 7 -	
	5	·			
		1 mL water add	ded: A	After 1 cm cube	added:
At first:	After				



Name	Date

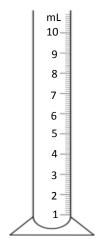
1. Determine the volume of two boxes on the table using cubes, and then confirm by measuring and multiplying.

Box	Number of Cubes	Measurements		Volume	
Number	Packed	Length	Width	Height	

2. Using the same boxes from Problem 1, record the amount of liquid that your box can hold.

Box Number	Liquid the Box Can Hold
	mL
	mL

3. Shade to show the water in the beaker.



mL 10
9
8
7
6 5
5
4 –
3
2
1

mL 10
9
8
7
6 5
5
4 –
3
2 —

At first:

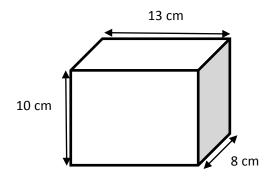
After 1 mL water added: After 1 cm cube added:

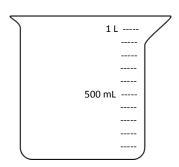
_____ mL

_____ mL

_____ mL





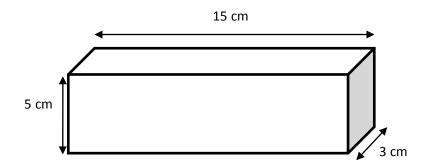


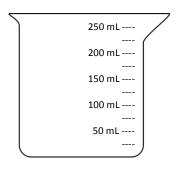
Will the graduated cylinder hold all the water in the tank? If yes, how much more will the beaker hold? If no, how much more will the tank hold than the beaker? Explain how you know.

- 6. A rectangular fish tank measures 26 cm by 20 cm by 18 cm. The tank is filled with water to a depth of 15 cm.
 - a. What is the volume of the water in mL?
 - b. How many liters is that?
 - c. How many more mL of water will be needed to fill the tank to the top? Explain how you know.
- 7. A rectangular container is 25 cm long and 20 cm wide. If it holds 1 liter of water when full, what is its height?

Name _____

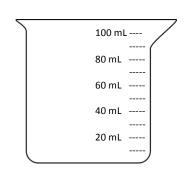






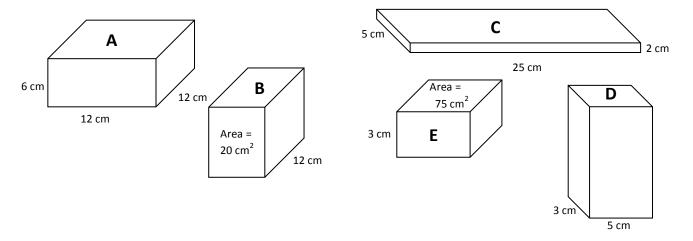
- a. Find the volume of the prism.
- b. Shade the beaker to show how much liquid would fill the box.

1. Johnny filled a container with 30 centimeter cubes. Shade the beaker to show how much water the container will hold. Explain how you know.



I cubic cm=1ml

2. A beaker contains 250 mL of water. Jack wants to pour the water into a container that will hold the water. Which of the containers pictured below could he use? Explain your choices.



3. On the back of this paper, describe the details of the activities you did in class today. Include what you learned about cubic centimeters and milliliters. Give an example of a problem you solved with an illustration.