

Name _____

Lesson 10.7

Estimate and Measure
Liquid VolumeCOMMON CORE STANDARD—3.MD.2
Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.Estimate how much liquid volume there will be when the container is filled. Write *more than 1 liter*, *about 1 liter*, or *less than 1 liter*.

1. large milk container

**more than
1 liter**

2. small milk container

**less than 1 liter**

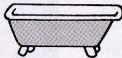
3. water bottle

**about 1 liter**

4. spoonful of water

**less than 1 liter**

5. bathtub filled halfway

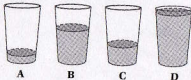
**more than
1 liter**

6. filled eyedropper

**less than 1 liter**Problem Solving real world

Use the pictures for 7–8. Alan pours water into four glasses that are the same size.

7. Which glass has the most amount of water? **Glass D**
8. Which glass has the least amount of water? **Glass A**



Lesson Check (3.MD.2)

1. Felicia filled the bathroom sink with water. Is the amount more than 1 liter, about 1 liter, or less than 1 liter?
2. Kyle needed about 1 liter of water to fill a container. Did Kyle most likely fill a small glass, a spoon, or a vase?

more than 1 liter**a vase**

Spiral Review (3.OA.5, 3.NF.1, 3.MD.1, 3.MD.4)

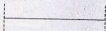
3. Cecil had 6 ice cubes. He put 1 ice cube in each glass. In how many glasses did Cecil put ice cubes?
4. Juan has 12 muffins. He puts $\frac{1}{4}$ of the muffins in a bag. How many muffins does Juan put in the bag?

6 glasses**3 muffins**

5. What time is shown on the clock?

**Possible responses:
6:56; 4 minutes
before 7**

6. Julianne drew the line segment below. Use your ruler to measure the segment to the nearest fourth inch.

 **$1\frac{3}{4}$ inches**