



Compare Metric Units of Mass and Liquid Volume

- 1** **Attend to Precision** Bethany has two glasses of water. One glass has 400 milliliters of water. The other has 500 milliliters of water. She pours all the water into an empty pitcher that can hold 1 liter. Is the pitcher full? How do you know?
- _____

- 2** Grant uses 3 grams of ginger in a recipe. How many milligrams of ginger does he use?
- _____

Compare. Write $>$, $<$, or $=$.

- 3** 2,900 mL 3 L **4** 14 g 1,400 mg **5** 7 kg 7,000 g

Complete.

6

Liters	Milliliters
1	1,000
4	
9	

7

Grams	Milligrams
1	1,000
6	
11	

8

Kilograms	Grams
1	1,000
5	
17	

- 9** **Use Structure** Kelli has two pitchers of water. The blue pitcher holds 3 liters of water. The red pitcher holds 2,800 milliliters. Which pitcher has the greater liquid volume? How do you know?
- _____
- _____
- _____
- _____

Test Prep

- 10** Melinda's dog crate can hold a dog with a mass up to 12 kilograms. Which mass for a dog would the crate safely hold? Choose all that are correct.

(A) 30,000 grams (D) 5,000 grams
(B) 11,000 grams (E) 12,500 grams
(C) 10,000 grams (F) 21,000 grams

- 11** Mahesh fills a walkway with 7 kilograms of pebbles. How many grams of pebbles does Mahesh use?

_____ grams

- 12** Compare. Select $>$, $<$, or $=$.

	$<$	$>$	$=$
3,000 mL ○ 2 L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 kg ○ 5,200 g	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9,000 mg ○ 9 g	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- 13** David puts 2 liters of water into a cooler that holds 10 liters. How many more milliliters can he add to the cooler until it is full?

_____ mL

Spiral Review

- 14** Use benchmarks to decide which customary unit you would use to measure the liquid volume of a swimming pool.

- 15** Janine records the following data about the growth of each plant: $\frac{1}{2}$ in., $\frac{3}{4}$ in., $\frac{1}{4}$ in., $\frac{1}{2}$ in., $\frac{3}{4}$ in.
Draw a line plot to show the data.