

Converting Metric Units of Capacity

Convert each unit.

1. $5 \text{ L} = \underline{5,000} \text{ mL}$

2. $13,000 \text{ mL} = \underline{13} \text{ L}$

3. $16 \text{ L} = \underline{16,000} \text{ mL}$

4. $4,000 \text{ mL} = \underline{4} \text{ L}$

5. $9,000 \text{ mL} = \underline{9} \text{ L}$

6. $8 \text{ L} = \underline{8,000} \text{ mL}$

7. You are preparing for a breakfast party and need enough milk for 20 people. Each person will drink about 200 mL of milk. Which is the best estimate of the amount of milk you should prepare: 400 mL or 4 L? Why?

$20 \times 200 = 4,000 \text{ mL}$, so you need 4 L.

Which capacity is most reasonable for each container?

8. coffee mug 300 mL or 3 L

300 mL

9. vase 20 mL or 2 L

2 L

10. cleaning bucket 500 mL or 5 L

5 L

11. Which of the following is equal to 6,000 mL?

A 6 L

B 60 L

C 600 L

D 60,000 L

12. **Writing to Explain** Suppose you have a 100-mL cup, a 300-mL cup, and a 500-mL cup. List two different ways you can measure exactly 1 L.

Answers will vary. You can measure

two 500-mL cups, OR, you can

measure three 300-mL cups and one

100-mL cup.