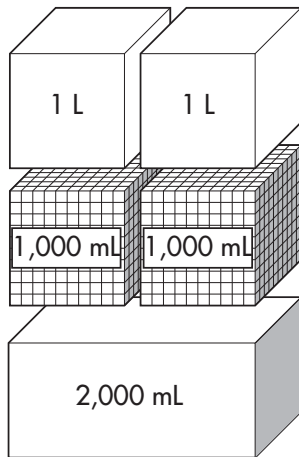


Converting Metric Units of Capacity

How to change a capacity measurement from one metric unit to another:

Converting a capacity from a smaller to a larger metric unit

$$2,000 \text{ milliliters} = \underline{\hspace{2cm}} \text{ liters}$$



Think: If I measure the same capacity using a larger unit, I will need a smaller number of units.

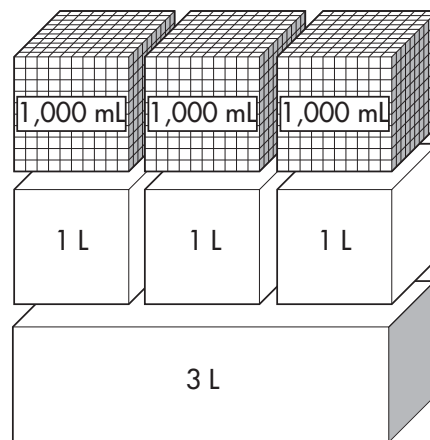
Operation: Divide.

You know $1,000 \text{ mL} = 1 \text{ L}$.

Find $2,000 \div 1,000$; $2,000 \text{ mL} = 2 \text{ L}$

Converting a capacity from a larger to a smaller metric unit

$$3 \text{ liters} = \underline{\hspace{2cm}} \text{ milliliters}$$



Think: If I measure the same capacity using a smaller unit, I will need a larger number of units.

Operation: Multiply.

You know $1 \text{ L} = 1,000 \text{ mL}$.

Find $3 \times 1,000$; $3 \text{ L} = 3,000 \text{ mL}$

Relationships Between Metric Units of Capacity		
Liter		Millimeter
1 L	=	1,000 mL

Complete.

1. $6 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

2. $4,000 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

3. $8,000 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

4. $91,000 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

Estimation Circle the capacity that is most reasonable for each container.

5. soup bowl

2 L or 300 mL

6. bathtub

200 L or 34,000 mL