

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Complete the conversion table.

Liquid Capacity	
L	mL
1	1,000
5	
38	
	49,000
54	
	92,000

2. Convert the measurements.

a.  $2 \text{ L } 500 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$

b.  $70 \text{ L } 850 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$

c.  $33 \text{ L } 15 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$

d.  $2 \text{ L } 8 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$

e.  $3,812 \text{ mL} = \underline{\hspace{1cm}} \text{ L } \underline{\hspace{1cm}} \text{ mL}$

f.  $86,003 \text{ mL} = \underline{\hspace{1cm}} \text{ L } \underline{\hspace{1cm}} \text{ mL}$

3. Solve.

a.  $1,760 \text{ mL} + 40 \text{ L}$

b.  $7 \text{ L} - 3,400 \text{ mL}$

c. Express the answer in the smaller unit:  
 $25 \text{ L } 478 \text{ mL} + 3 \text{ L } 812 \text{ mL}$

d. Express the answer in the smaller unit:  
 $21 \text{ L} - 2 \text{ L } 8 \text{ mL}$

e. Express the answer in mixed units:  
 $7 \text{ L } 425 \text{ mL} - 547 \text{ mL}$

f. Express the answer in mixed units:  
 $31 \text{ L } 433 \text{ mL} - 12 \text{ L } 876 \text{ mL}$

Use a tape diagram to model each problem. Solve using a simplifying strategy or an algorithm, and write your answer as a statement.

4. To make fruit punch, John's mother combined 3,500 milliliters of tropical drink, 3 liters 95 milliliters of ginger ale, and 1 liter 600 milliliters of pineapple juice.
- Order the quantity of each drink from least to greatest.
  - How much punch did John's mother make?
5. A family drank 1 liter 210 milliliters of milk at breakfast. If there were 3 liters of milk before breakfast, how much milk is left?

6. Petra's fish tank contains 9 liters 578 milliliters of water. If the capacity of the tank is 12 liters 455 milliliters of water, how many more milliliters of water does she need to fill the tank?

