1. Complete the table.

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

2. Find the missing numbers.

a. 2 L 500 mL = 2,500 mL

b. 70 L 850 mL = 70,850 mL

c. 33 L 15 mL = 33,015 mL

d. 2 L 8 mL = 2,008 mL

e. 3,812 mL = 3 L 812 mL

f. 86,003 mL = 86 L 3 mL

3. Solve.

a. 1,760 mL + 40 L = 41 L 760 mL

1 L 760 mL

b. 7 L − 3,400 mL = 3 L 600 mL

3,400 mL $\xrightarrow{+600}$ 4,000 mL $\xrightarrow{3L}$ 7 L

c. Express the answer in the smaller unit:

25 L 478 mL + 3 L 812 mL = 29,290 mL

25 L 478 mL
+ 3 L 812 mL
28 L 1290 mL

d. Express the answer in the smaller unit:

21 L − 2 L 8 mL = 18,992 mL

21,000 mL
− 2,008 mL
18,992 mL

e. Express the answer in mixed units:

7 L 425 mL − 547 mL = 6 L 878 mL

6 L 7425 mL
− 547 mL
6 L 878 mL

f. Express the answer in mixed units:

31 L 433 mL − 12 L 876 mL = 18 L 557 mL

30 L 7433 mL
− 12 L 876 mL
18 L 557 mL

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

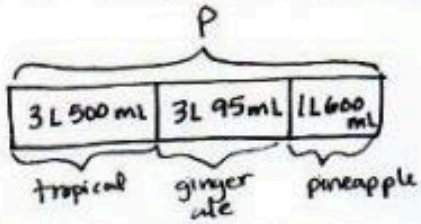
4. John's mother combined 3,500 milliliters of tropical drink, 3 liters 95 milliliters of ginger ale, and 1 liter 600 milliliters of pineapple juice to make punch.
   a. Order the quantity of each drink from least to greatest.

3,500 mL = 3 L 500 mL

greatest ↑ least

3 L 500 mL tropical
3 L 95 mL ginger ale
1 L 600 mL pineapple

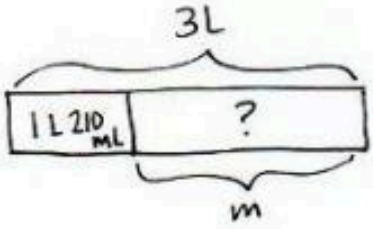
   b. How much punch did John's mother make?



3 L 500 mL
3 L 95 mL
+ 1 L 600 mL
7 L 1195 mL
1 L 1195 mL

John's mother made 8 L 195 mL of punch.

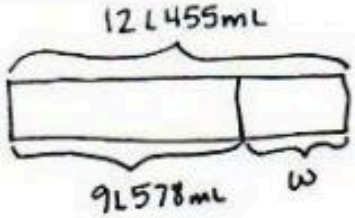
5. A family drank 1 liter 210 milliliters of milk at breakfast. If there were 3 liters of milk before breakfast, how much milk is left?



1 L 210 mL —(+790 mL)→ 2 L —(+1 L)→ 3 L

There is 1 L 790 mL milk left.

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



13 14
1 3 4 15
12,455 mL
- 9,578 mL
2,877 mL

She needs 2,877 more milliliters of water.