

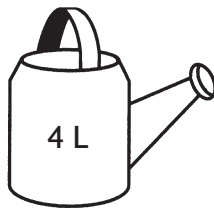
Name _____

Solve Problems About Liquid Volume and Mass

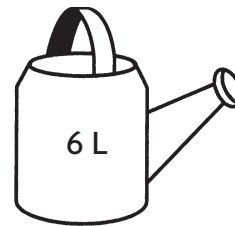
You can use a model or write an equation to solve problems about liquid volume and mass.

Tina's watering can holds 4 liters of water. Todd's watering can holds 6 liters of water. What is the total liquid volume of both watering cans?

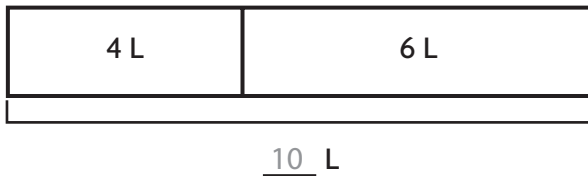
Tina's Watering Can



Todd's Watering Can



Use a bar model.



Think: Add to find the total.

$$4 \text{ L} + 6 \text{ L} = 10 \text{ L}$$

So, the total liquid volume is 10 L.

Write an equation.

Think: I can write an addition equation to find the sum of the liquid volumes.

$$\underline{4} \text{ } \oplus \text{ } \underline{6} = \underline{10}$$

So, the total liquid volume is 10 L.

Write an equation and solve the problem.

- Kyra has a small bucket that holds 3 liters of water and a large bucket that holds 5 liters of water. Altogether, how many liters of water do the two buckets hold?

$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

- Rick's recipe calls for 25 grams of raisins and 40 grams of nuts. How many more grams of nuts than raisins does the recipe call for?

$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$