

**On Your Own**

4. Maria put trim around a banner that is the shape of a triangle. Each side is 22 inches long. Maria has  $\frac{1}{2}$  foot of trim left. What was the length of the trim when she started? Write your answer in yards.

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5. A car's gas tank can hold  $16\frac{3}{4}$  gallons of unleaded gasoline. How many pints of gasoline would be used to fill 2 of these car's tanks?

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6. Jacques is framing a mirror. He has a piece of trim that is 6 feet long. How many 16-inch-long pieces can Jacques cut from the trim? How much of a foot will he have left over?

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7. **MTR** Explain how you could find the number of cups in five gallons of water.

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8. Regina uses  $2\frac{3}{4}$  cups of whole-wheat flour and  $1\frac{3}{8}$  cups of rye flour in her bread recipe. How many cups does she use in all?

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9. A large pot holds 12 gallons of soup. Jared has 1-pint containers of chicken broth. Complete the table to help you find the number of 1-pint containers of chicken broth Jared will need to fill the pot.

gallon	2	4	6	8	10	12
pint						

Jared will need \_\_\_\_\_ 1-pint containers to fill the pot.

# Solve Multi-step Measurement Problems

**Go Online**

Interactive Examples

Solve each problem by making a table.

1. Terrance is making soup. His soup pot holds 8 quarts of soup. How many 1-cup servings of soup will Terrance make?

32 1-cup servings

Number of quarts	1	2	3	4	8
Number of cups	4	8	12	16	32

2. Rian has a water bottle that holds 2.5 liters of water. What is the volume of the water bottle in milliliters?

3. Alex lives 500 yards from the park. How many inches does Alex live from the park?

4. The art display case is 3,500 centimeters long. How many meters long is the display case?

5.  **WRITE** *Math* Explain how you could use a conversion table to convert 700 centimeters to meters.