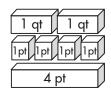
## **Converting Customary Units** of Capacity

How to change a capacity measurement from one unit to another

Converting a capacity measurement from a smaller unit to a larger unit

4 pints = \_\_\_\_ quarts



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

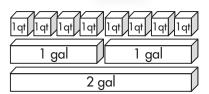
Operation: Divide.

You know 2 pt = 1 qt.

Find  $4 \div 2$ ; 4 pt = 2 qt

Converting a capacity measurement from a larger unit to a smaller unit

2 gallons = \_\_\_\_ quarts



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

Operation: Multiply.

You know 1 gal = 4 qt.

Find  $2 \times 4$ ; 2 gal = 8 qt

| Relationships Among Customary Units of Capacity |       |        |        |         |
|---|-------|--------|--------|---------|
| Ounce   | Cup   | Pint   | Quart  | Gallon  |
| 8 fl oz   | = 1 c |        |        |         |
|   | 2 c   | = 1 pt |        | _       |
|   |       | 2 pt   | = 1 qt |         |
|   |       |        | 4 qt = | = 1 gal |

Complete.

5. Estimation A vat has a capacity of 642 fl oz. Estimate its capacity in cups.

## **Converting Customary Units** of Capacity

Convert each unit.

**5.** 
$$4 \text{ qt} =$$
\_\_\_\_\_ c

Solve.

- **10. Estimation** Estimate the number of pints in 445 ounces.
- **11.** If you needed only 1 c of milk, what is your best choice at the grocery store—a quart container, a pint container, or a  $\frac{1}{2}$  gal container?
- 12. Which of the following is equivalent to 1 c?
  - **A** 4 fl oz
- **B** 2 pt
- **C** 8 fl oz
- **D** 4 qt
- **13. Writing to Explain** Explain how you would convert a measurement given in ounces into pints.