

## Customary Units of Liquid Volume

**Liquid volume** is the measure of the space a liquid occupies. Some basic units for measuring liquid volume are **gallons, half gallons, quarts, pints, cups,** and **fluid ounces**. The table at the right shows the relationships among some units of liquid volume.

|                          |
|--------------------------|
| 1 cup = 8 fluid ounces   |
| 1 pint = 2 cups          |
| 1 quart = 2 pints        |
| 1 half gallon = 2 quarts |
| 1 gallon = 4 quarts      |

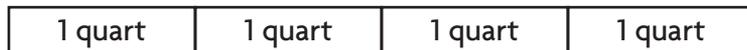
**How does the size of a gallon compare to the size of a pint?**

**Step 1** Use the information in the table.

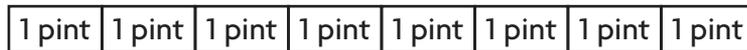
Draw a bar to represent  
1 gallon.



**Step 2** The table shows that 1 gallon is equal to 4 quarts. Draw a bar to show 4 quarts.



**Step 3** The table shows that 1 quart is equal to 2 pints. Draw a bar to show 2 pints for each of the 4 quarts.



**Step 4** Compare the size of 1 gallon to the size of 1 pint.

There are 8 pints in 1 gallon.

So, 1 gallon is 8 times as much as 1 pint.

**Complete. Draw a model to help.**

**1** 2 quarts = \_\_\_\_\_ pints

**2** 1 gallon = \_\_\_\_\_ cups

**3** 1 pint = \_\_\_\_\_ fluid ounces

**4** 3 pints = \_\_\_\_\_ cups

**5** 3 quarts = \_\_\_\_\_ cups

**6** 1 half gallon = \_\_\_\_\_ pints