

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.

1 gallon

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

1 quart	1 quart	1 quart	1 quart
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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.

1 pint	1 pint	1 pint	1 pint	1 pint	1 pint	1 pint	1 pint
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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