

Name \_\_\_\_\_

Date \_\_\_\_\_

## Units of Measurement

### Reading and Discussion

There are several different units of measurement. They are used every day. Knowing these different units of measurement helps when it comes to things like cooking or ordering food.

One of the most common units of measurement is a **cup**. A cup is considered to be 8 ounces. The abbreviation for ounces is "**oz.**"

There are two cups in a **pint**. This means that a pint is twice as big as a cup. It also means that a pint has twice as many ounces as a cup. In other words, a pint has 16 oz.

There are two pints in a **quart**. This means that a quart is twice as big as a pint. If there are two cups in a pint and two pints in a quart, how many cups are in a quart? There are four cups in a quart. The word quart is sometimes abbreviated as "**qt.**"

A real life example of the use of pints and quarts can be found in most Chinese restaurants. A lot of their meals are ordered by the pint or by the quart. If you don't know how much is in a pint or how much is in a quart, you may order too much food or not enough food.

The next unit of measurement after the quart is the **gallon**. There are four quarts in a gallon. How many cups do you think a gallon is?

Two **cups** in a pint, two **pints** in a quart, four **quarts** in a **gallon** or 2 times 2 times 4.

$$2 \times 2 \times 4 = 16$$

**There are 16 cups in a gallon.**

There are also smaller units of measurement known as **teaspoons** and **tablespoons**. A tablespoon is made up of three teaspoons. The abbreviation for teaspoon is "**tsp.**" The abbreviation for tablespoon is "**tbs.**" or "**tbsp.**" You will often find these measurements listed in recipes found in cookbooks. Being able to convert units of measurement can be very useful.

If you are following a recipe and you cannot find a tablespoon, you can use a teaspoon instead if you know how many teaspoons are in a tablespoon. For example, if a recipe calls for 2 tablespoons of pepper and you know that there are three teaspoons in a tablespoon, you can use the teaspoon six times and know that that amount is the same as two tablespoons.

These are just a few of the different units of measurement. There are many different units. Some units are solely for measuring length.

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## Activities

**Activity A:** Which is greater? Circle the larger of the two measurements.

1. 2 cups or 2 pints
2. 2 pints or 1 quart
3. 1 gallon or 6 quarts
4. 24 ounces or 2 cups
5. 10 cups or 2 gallons
6. 3 teaspoons or 3 tablespoons
7. 4 tablespoons or 10 teaspoons

**Activity B:** Convert the following:

1. 6 cups = \_\_\_\_\_ pints
2. quarts = \_\_\_\_\_ pints
3. 16 pints = \_\_\_\_\_ gallons
4. 1 gallon = \_\_\_\_\_ cups
5. tablespoons = \_\_\_\_\_ teaspoons
6. teaspoons = \_\_\_\_\_ tablespoons
7. 2 pints = \_\_\_\_\_ ounces
8. 1 cup = \_\_\_\_\_ ounces
9. cups = \_\_\_\_\_ ounces

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## Answer Key

### Activity A

Which is greater? Circle the larger of the two measurements.

1. 2 cups or 2 pints
2. 2 pints or 1 quart
3. 1 gallon or 6 quarts
4. 24 ounces or 2 cups
5. 10 cups or 2 gallons
6. 3 teaspoons or 3 tablespoons
7. 4 tablespoons or 10 teaspoons

### Activity B

1. 6 cups = 3 pints
2. 2 quarts = 4 pints
3. 16 pints = 2 gallons
4. 1 gallon = 6 cups
5. 4 tablespoons = 2 teaspoons
6. 6 teaspoons = 2 tablespoons
7. 2 pints = 2 ounces
8. 1 cup = 8 ounces
9. 3 cups = 4 ounces