

# **MEASUREMENT**

# What Is Measurement?

- Measurement is the use of units to show size, length, weight, or capacity.
- There are **customary** measurements and **metric** measurements.

#### How to **measure**:

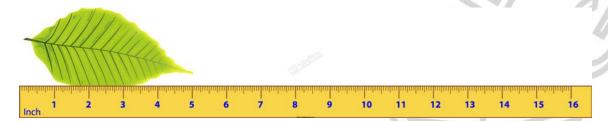
• Customary units of length are inches, feet, yards, and miles.



• To measure the length of an object, a ruler can be used. There are both customary and metric rulers.



### For example:



This is a customary ruler. It shows inches. This leaf is 5 inches long.

• Customary units of weight are ounces, pounds, and tons.

16 ounces = 1 pound 2,000 pounds = 1 ton

• Metric units of weight are milligram, gram, and kilogram.



## For example:

If there are 16 ounces in a pound, how many ounces are there in 2 pounds?

For this question, there are two things that can be done. One is to add 16 + 16. The second is to multiply  $16 \times 2$ . Both of these will give you the same answer.

$$16 + 16 = 32$$
  
 $16 \times 2 = 32$ 

There are 32 ounces in 2 pounds.



• Customary units of capacity are teaspoons, tablespoons, ounces, cups, pints, quarts, and gallons.

3 teaspoons = 1 tablespoon 2 tablespoons = 1 fluid ounce 8 fluid ounces = 1 cup 2 cups = 1 pint 2 pints = 1 quart 4 quarts = 1 gallon

 Metric units of capacity are measured in milliliters, liters, and kiloliters.

> 1,000 milliliters = 1 liter 1,000 liters = 1 kiloliter

 To measure the capacity of something, measuring cups and cylinders are used.

To fi mult
 For Please login or register to download the printable version of this study guide.
 A mi bowl

Preview

 r amount,
 r amount,

It is known that there are two pints in a quart. Since the problem states there are 2 quarts, simply multiply 2 x 2.

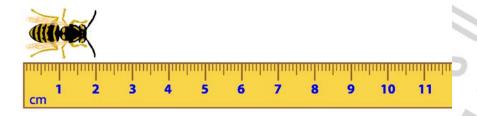
$$2 \times 2 = 4$$

The mixing bowl will hold 4 pints.



# **Try This!**

• Write the following measurements on the line.



How long is the bee?

There are 1 000 milligrams in 1 gram. How many milligrams are there in 4 grams



There are

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