

CUSTOMARY UNIT CONVERSION:

Goal: Students will be able to convert between customary units of measurement.

Notes:

I. CUSTOMARY UNITS OF MEASUREMENT

A. **LENGTH**- is used to determine the distance between two points.

Customary Units of Length

1 foot = 12 inches

1 yard = 3 feet = 36 inches

1 mile = 5,280 feet

B. **WEIGHT**- the force of gravity acting on an objects mass. Mass is the amount of "stuff" in an object.

Customary Units of Weight

1 pound (lb) = 16 ounces

1 ton = 2,000 pounds

C. **CAPACITY** – the amount of space that can fill a container, also called VOLUME.

Customary Units of Capacity

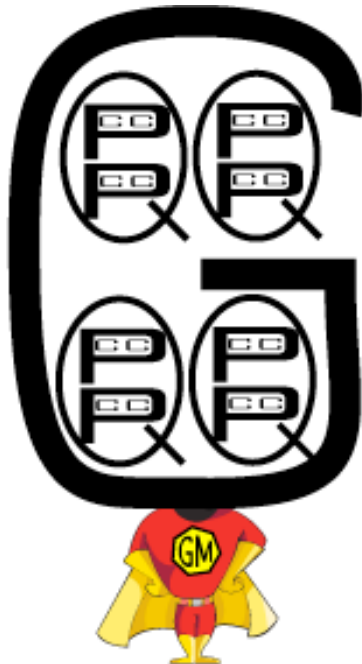
1 Tablespoon (TBSP) = 3 Teaspoons (tsp)

1 Cup = 16 Tablespoons = 8 fluid ounces (fl. Oz)

1 Pint (pt.) = 2 cups

1 Quart (qt.) = 2 pints

1 gallon = 4 quarts = 8 pints = 16 cups



II. HOW TO CONVERT BETWEEN UNITS

A. TO change from LARGER units to SMALLER units **MULTIPLY**.

Try it: FEET to INCHES Question: 5 feet = ____ inches

Step 1: Find the conversion unit, (equivalent (=) measurement)
1 foot = 12 inches

Step 2: Since a foot is a larger unit than an inch, **MULTIPLY**.
MULTIPLY

$$5 \times 12 \text{ inches} = 60 \text{ inches}$$

B. TO change from SMALLER units to LARGER units **DIVIDE**.

Try it: INCHES to FEET Question: 60 inches = ____ feet

Step 1: Find the conversion unit, (equivalent (=) measurement)
12 inches = 1 foot

Step 2: Since an inch is small than a foot, **DIVIDE** .

$$60 / 12 = 5 \text{ feet}$$

III. **FORMS OF ONE (1)** - In a fraction if the TOP number (numerator) and the BOTTON number (denominator) are equal then the fraction has a value of 1.

Ex: $4/4 = 1$, $7/7 = 1$, $12 \text{ inches}/1 \text{ foot} = 1$, $1 \text{ foot}/12 \text{ inches} = 1$

