

The Apothecary System

quarts, pints, ounces,
drams, minims

The Household System

glass, ounces, measuring cup,
teacup, tablespoon, teaspoon,
drops, pound

The Metric System

cubic centimeter, milliliter,
liter, kilogram, gram,
milligram, microgram

Metric System

kilogram (kg) – gram (g) – milligram (mg) – microgram (mcg) – liter (L) – milliliter (mL)

$$1 \text{ kg} = 1000 \text{ g}$$

$$1 \text{ g} = 1000 \text{ mg}$$

$$1 \text{ mg} = 1000 \text{ mcg}$$

$$1 \text{ g} = 1,000,000 \text{ mcg}$$

$$1 \text{ L} = 1000 \text{ mL}$$

$$1 \text{ g} = .001 \text{ kg}$$

$$1 \text{ mg} = .001 \text{ g}$$

$$1 \text{ mcg} = .001 \text{ mg}$$

$$1 \text{ mcg} = .000001 \text{ g}$$

$$1 \text{ cub centimeter (cc)} = 1 \text{ milliliter (mL)}$$

Household Measures

ounces (oz) – pound (lb) – teaspoon (tsp or t) – drops (gtt) – tablespoon (Tbsp or T)

Weights

$$16 \text{ oz} = 1 \text{ lb}$$

Liquids

$$1 \text{ tsp} = 60 \text{ gtt}$$

$$1 \text{ Tbsp} = 3 \text{ tsp}$$

$$1 \text{ ounces} = 2 \text{ Tbsp}$$

$$1 \text{ glass} = 8 \text{ ounces}$$

$$1 \text{ measuring cup} = 8 \text{ ounces}$$

$$1 \text{ teacup} = 6 \text{ ounces}$$

$$16 \text{ ounces} = 1 \text{ pint}$$

$$2 \text{ cups} = 1 \text{ pint}$$

$$2 \text{ pints} = 1 \text{ quart}$$

$$4 \text{ quarts} = 1 \text{ gallon (gal)}$$

~~ex. How many pints are in 2 quarts?~~
~~qt \rightarrow pt 1 quart = 2 pints~~

$$\underline{\underline{2 \text{ qt} \times \frac{2 \text{ pt}}{1 \text{ qt}} = 4 \text{ pt.}}}$$

ex. I have 7 T of sugar, how many oz is this?
T \rightarrow oz 1 oz = 2 T

$$7 \cancel{T} \times \frac{1 \text{ oz}}{2 \cancel{T}} = 3.5 \text{ oz}$$

ex. How milliliters is $\frac{3}{4}$ liter?

~~1000 mL~~
L \rightarrow mL

1000 mL = 1 L

$$\frac{3}{4} \cancel{L} \times \frac{1000 \text{ mL}}{1 \cancel{L}} = 750 \text{ mL}$$