


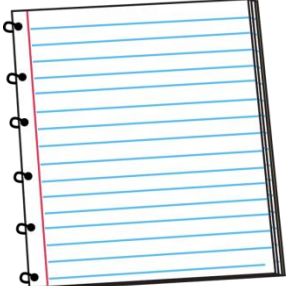
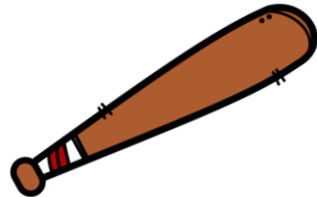

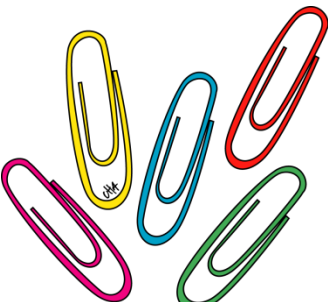

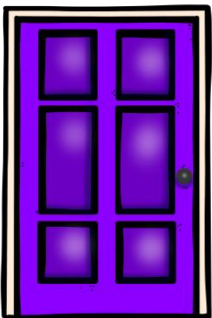

The Metric System

The metric system was developed during the French Revolution. Thomas Jefferson promoted it in the United States, but the system was not legalized until 1866. In 1902 Congress voted to require the United States Government to use only the Metric System. The vote was defeated by one vote.

The metric system is much easier to use than the Customary System, because you do not have to remember different conversions such as 12 inches equal a foot, 3 feet equal a yard, and so on. All you have to remember is a list of prefixes that represent powers of 10.

Prefix	milli	centi	deci	meter	deka	hecto	kilo
Abbreviation	m	c	d	m	d k	h	k
Example	milliliter	centimeter	decimeter	meter	dekameter	hectometer	kilometer
Multiplier	0.001	0.01	0.1	1	10	100	1000

Length

<p>inch - in</p>	<p>foot - ft</p>	<p>yard - yd</p>	<p>mile - mi</p>
	<p>1 ft = 12 in</p>	<p>1 yd = 36 in 1 yd = 3 ft</p>	<p>1 mi=63,360 in 1 mi = 5280 ft 1 mi=1760 yd</p>
 <p>The distance between the knuckles on your index finger is approximately 1 inch.</p>	 <p>Your notebook is approximately 1 foot tall.</p>	 <p>A baseball bat is approximately 1 yard long.</p>	 <p>Long distances are measured in miles. The distance a vehicle travels is measured in miles.</p>
<p>centimeter -cm</p>	<p>decimeter - dm</p>	<p>meter - m</p>	<p>kilometer - km</p>
<p>1 cm=10 mm</p>	<p>1 dm=100 mm 1 dm=10 cm</p>	<p>1 m= 1000 mm 1 m=100 cm 1 m=10dm</p>	<p>1 km=1,000,000 mm 1 km=100,000 cm 1 km=10,000 dm 1 km=1000 m</p>
 <p>A paperclip is approximately 1 centimeter wide.</p>	 <p>A crayon is approximately 1 decimeter long.</p>	 <p>The distance from the floor to the door knob is approximately 1 meter.</p>	 <p>The length of 6 city blocks is approximately 1 kilometer long.</p>

Weight

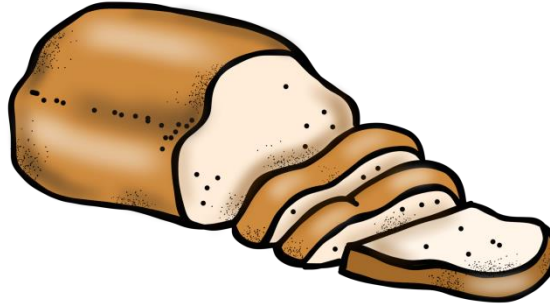
ounce - oz



A slice of bread weighs about 1 ounce.

pound - lb

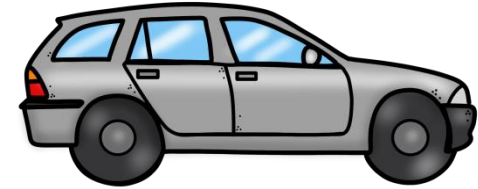
1 lb = 16 oz



A loaf of bread weighs about 1 pound.

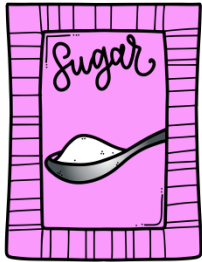
ton - T

1 T = 32,000 oz
1 T = 2000 lb



A car weighs about 1 ton.

gram



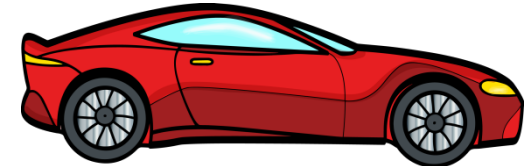
A packet of sugar weighs about 1 gram.

kilogram

1 kilogram = 1000 grams



A book weighs about 1 kilogram.



A car weighs about 1000 kilograms.

Capacity

cups - c

pint - pt

quarts - qt

gallon - gal

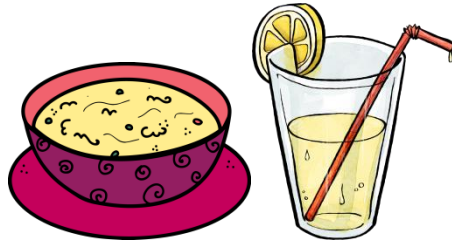
$$1 \text{ pt} = 2 \text{ c}$$

$$1 \text{ qt} = 4 \text{ c}$$
$$1 \text{ qt} = 2 \text{ pt}$$

$$1 \text{ gal} = 16 \text{ c}$$
$$1 \text{ gal} = 8 \text{ pt}$$
$$1 \text{ gal} = 4 \text{ qt}$$



A small cup of coffee holds approximately 1 cup.



A tall glass of lemonade or a bowl of soup holds approximately 1 pint.



Oil comes in a quart-sized container.



A large container of milk comes in a 1 gallon container.

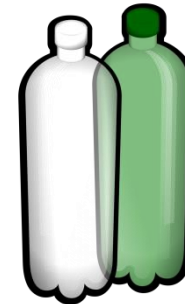
milliliter - ml

liter - l

$$1 \text{ liter} = 1000 \text{ milliliters}$$



Ten drops from a medicine dropper is approximately 1 milliliter.



A bottle of cola is one liter. A very large bottle holds 3 liters.