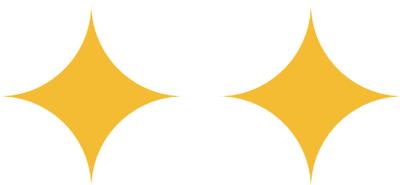
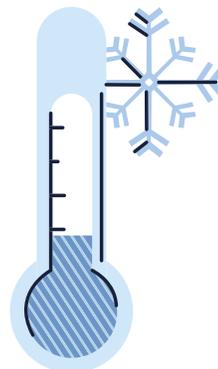
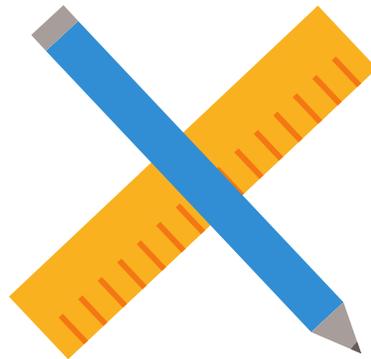
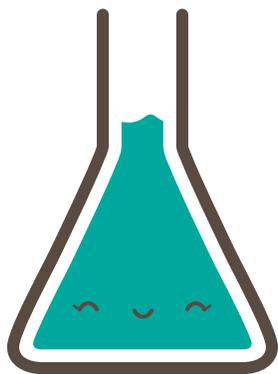




Revision  
Guides

# Units of Measurements



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# Hello

Let's suppose you were blindfolded and I give you some object... anything like a pen or a cup of coffee.

And ask you to describe it...how would you do it?

When you measure something, you figure out two things. One is a number telling how big the thing is, and the other is a word that describes the unit of measurement.

Can you measure your height without the using the units "inch" or "feet"

Interesting isn't it?



# Measurement System

In United states, we use **U.S. customary units**, also English units or standard units.

We can define it as a set of weights and measures used for measuring length, weight, capacity (Volume), and temperature.

## Measures

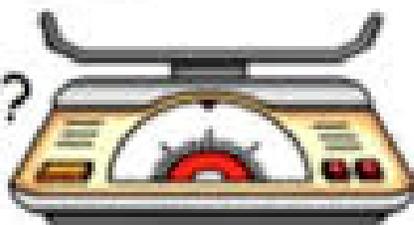
Length?



Capacity?



Weight?



# Unit of Length



Do you remember, we talked about measuring your height..

The basic units of length we use are the inch, foot and yard.

Measuring how long things are, how tall they are, or how far apart they might be are all examples of length measurements.

These are the most common measurements: Inches, Feet, Yards, Miles.

## Customary Units of Length

1 foot (ft) = 12 inches (in)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches(in)

1 mile (mi) = 5280 feet (ft)

# Unit of Mass

These are the most common measurements:

Fluid Ounces

Cups

Pints

Quarts

Gallons

When measuring many cups of liquid all put together we might want to use quarts.

A quart (qt) is the same thing as 4 cups or 2 pints.

1 quart = 2 pints = 4 cups = 32 fluid ounces

Capacity  
how much a container can hold.



cup



pint



quart



gallon

# Unit of Temperature

Can you tell me.....

How hot or cold is it going to be today?

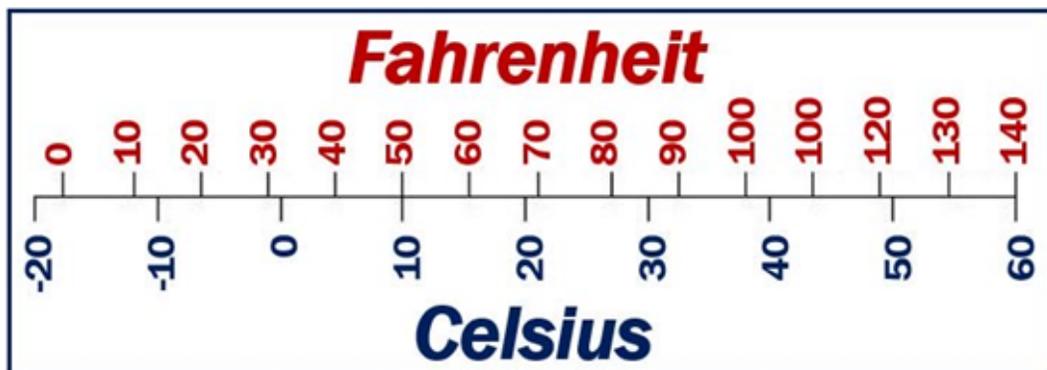
Is 40° Celsius nice weather?

How about 40° Fahrenheit?

In US Customary Units for Temperature Degrees Fahrenheit, are used to record surface temperature measurements in the United States. However, since most of the rest of the world uses degrees Celsius (developed in the 18th Century),

it is important to be able to convert from units of degrees Fahrenheit to degrees Celsius:

$$1^{\circ}\text{C} = 33.8^{\circ}\text{F}$$



# Fun Facts

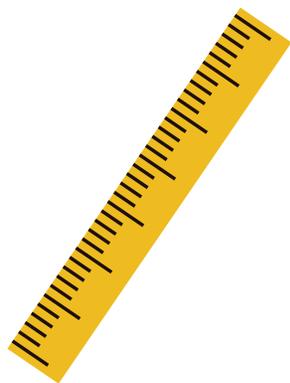
A ruler is a foot long and usually has inch and centimeter marks.

A meter stick is a meter long and usually has foot, inches, and centimeter marks.

Weighing Scales always use pounds, kilograms, ounces.

Measuring cups are normally marked in cups and ounces.

Non-standard measurements use approximate references like cubits, spans etc.





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The Literacy Center is a 501(c)(3) non-profit organization dedicated to improving adult literacy and education, thereby strengthening our community.