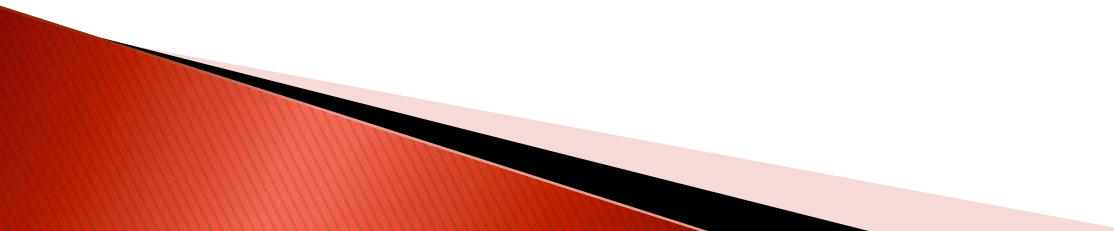


Metric Units and Measurements

Measurement

- ▶ Length = meter
 - ▶ Mass = grams
 - ▶ Volume = liters
 - ▶ Time = seconds, minutes, days, years
 - ▶ Temperature = Celsius
- 

Decimals in Measurement

DECIMALS in MEASUREMENT

Prefixes for units of length, volume, and mass in the metric system:

Prefix	Multiply by
milli-	0.001 (1/1000)
centi-	0.01 (1/100)
deci-	0.1 (1/10)
deka-	10
hecto-	100
kilo-	1000

LENGTH

LENGTH

The standard unit of length
in the metric system is the meter.

1 millimeter = 0.001 meter

1 centimeter = 0.01 meter

1 decimeter = 0.1 meter

1 dekameter = 10 meters

1 hectometer = 100 meters

1 kilometer = 1000 meters

Abbreviations

1 millimeter = 1 mm

1 centimeter = 1 cm

1 meter = 1 m

1 decimeter = 1 dm

1 dekameter = 1 dkm

1 hectometer = 1 hm

1 kilometer = 1 km

MASS

MASS

The standard unit of mass in the metric system is the gram.

1 milligram = 0.001 gram

1 centigram = 0.01 gram

1 decigram = 0.1 gram

1 dekagram = 10 grams

1 hectogram = 100 grams

1 kilogram = 1000 grams

Abbreviations

1 milligram = 1 mg

1 centigram = 1 cg

1 decigram = 1 dg

1 dekagram = 1 dkg

1 hectogram = 1 hg

1 gram = 1 g

1 kilogram = 1 kg

VOLUME

VOLUME

The standard unit of volume
in the metric system is the liter.

1 milliliter = 0.001 liter

1 centiliter = 0.01 liter

1 deciliter = 0.1 liter

1 dekaliter = 10 liters

1 hectoliter = 100 liters

1 kiloliter = 1000 liters

Abbreviations

1 milliliter = 1 ml

1 centiliter = 1 cl

1 deciliter = 1 dl

1 dekaliter = 1 dkl

1 hectoliter = 1 hl

1 liter = 1 l

1 kiloliter = 1 kl

TIME

TIME

Time conversions:

1 minute = 60 seconds

1 hour = 60 minutes = 3600 seconds

1 day = 24 hours

1 week = 7 days

1 year = 365 1/4 days
(for the Earth to travel once around the sun)

TEMPERATURE

TEMPERATURE			
Celsius	Fahrenheit	Kelvin	
100	212	373	Boiling point of water
30	86	303	A hot day
20	68	293	Average room temperature
0	32	273	Water melting/freezing point
-40	-40	233	F and C are the same.
-90	-130	183	Lowest recorded *