

Conversion Factors

1 ounce = 28.35 grams	1 m = 3.281 feet
1 pound = 453.6 grams	1 inch = 2.54 cm
1 pound = 4.448 N	1 mile = 1.61 km
1 gallon = 8.34 pounds of water	1gallon = 3.785 liters
1 gallon = 3800.0 grams of water	1 mile = 5280 feet
1ounce = 29.6mL	1 Calorie = 4184 Joules
1 ton = 2000 pounds	1 Cal = 1000 cal = 1 kcal
	1 hp = 746 Watts

English Units

Linear

Inch (in)
foot (ft)
yard (yd)

Mass/Weight

ounce (oz.)
pound (lb.)
pound mass (lb-m)
ton
slug

Volume

ounce (oz.)
pint
quart
gallon

Metric prefixes

milli = 1/1000	decimeter (dm)	= 10^{-1}
centi = 1/100	centimeter(cm)	= 10^{-2}
deci = 1/10	millimeter(mm)	= 10^{-3}
deka = 10	micrometer(μ m)	= 10^{-6}
hecto = 100	nanometer (nm)	= 10^{-9}
kilo = 1000	Angstrom (A°)	= 10^{-10}

Metric Units

Linear

meter (m)
kilometer (km)
centimeter(cm)
millimeter(mm)

Mass

kilogram (kg)
gram (g)
milligram (mg)

Volume

liter (L) (dm^3)
milliliter (mL)
cubic centimeter (cm^3)

$$1 \text{ mL} = 1\text{cm}^3$$