

**North Montco Technical Career Center
Math-In-CTE**

Conversion Facts

Angle

1 degree = 60 minutes
1 minute = 60 seconds

Area

1 acre = 43,560 ft²
1 square foot = 144 square inches
1 square yard = 9 ft²

Length

1 centimeter (cm) = .3937 inch (in)
1 inch (in) = 25.4 millimeters (mm)
1 foot (ft) = .3048 meters (m)
1 kilometer (km) = .62137 mile (mi)
1 meter (m) = 1.0936 yard (yd)
1 mile (mi) = 1.6093 kilometer (km)
1 millimeter (mm) = .03937 inch (in)
1 yard (yd) = .9144 meters (m)

Pressure

1 kilopascal (kPa) = .14504 pounds per square inch (psi)
1 pounds per square inch (psi) = 6.8948 kilopascal (kPa)

Power

1 horsepower (hp) = 746 watts
1 horsepower (hp) = .746 kilowatt (kW)
1 kilowatt (kW) = 1.341 horsepower (hp)

Torque

1 foot-pounds (ft-lb) = 1.36 Newton - meter (N-m)
1 Newton - meter (N-m) = .7376 foot-pounds

Volume

1 cubic centimeters (cc) = 1 milliliters (ml)
1 cubic centimeter (cc) = .06102 cubic inches (in³)
1 cubic inch (cu-in) = .016387 liter (L)
1 cubic inch (in³) = 16,581.4 cubic millimeters (mm³)
1 cubic yard (yd³) = 27 cubic feet (ft³)
1 liter (L) = 1000 milliliters (ml)
1 liter (L) = 1000 cubic centimeters (cc)
1 liter (L) = 1.0567 quart (qt)
1 liter (L) = 61.024 cubic inch (cu-in)
1 quart (qt) = .94635 liter (L)

Mass

1 gram (G) = .035 ounce (oz)
1 kilogram (kg) = 2.20 pound (lb)
1 ounce (oz) = 28.35 gram (g)
1 pound (lb) = .45 kilogram (kg)
1 ton = 2000 pounds (lbs)

Speed

1 miles per hour (mph) = 1.16 kilometers per hour (km/h)
1 kilometers per hour (km/h) = .62 miles per hour (mph)
1 mile per hour (mph) = .447 meters per second (m/sec)