

[illegible]

-----BASIC METRIC CONVERTER version 1.0.0

-----PROGRAM

-----Designed by CHU Vegetta

-----Date: 11-April-2016

-----Program tested in Windows XP, Vista, 7, 8

-----License: Donationware

## -----PROGRAM GUIDE-----

This is a program to convert units from one metric system to another. It supports ten different categories and more than forty units' conversion.

### -----IMPORTANT NOTES

- 1) For decimal use dot(.) NOT comma(,) (e.g Celsius= 35.8)
- 2) You may need to install .NET Framework 4.0 or above

### -----PROGRAM USE-----

#### ----A

Use TAB MENU CONTROL to select metric conversions.

#### ----B

- 1) Fill in necessary fields.
- 2) Press button 'RUN'.
- 3) Calculate variables.

#### ----C

- 1) Press button 'CLEAR' to clear all fields.

**-----PROGRAM METRIC CONVERSIONS-----**

**(A) TEMPERATURE CONVERSION.**

1) CELSIUS (C)  $\leftrightarrow$  FAHREHNEIT (F)

2) CELSIUS (C)  $\leftrightarrow$  KELVIN (K)

3) KELVIN (K)  $\leftrightarrow$  FAHREHNEIT (F)

**(B) POWER CONVERSION.**

1) MECHANICAL HORSEPOWER (HPi)  $\leftrightarrow$  KILOWATT (kW)

2) METRIC HORSEPOWER (HPm)  $\leftrightarrow$  KILOWATT (kW)

**(C) LENGTH CONVERSION.**

1) KILOMETERS (km)  $\leftrightarrow$  MILES (mile)

2) METERS (m)  $\leftrightarrow$  FEET (ft)

3) METERS (m)  $\leftrightarrow$  YARDS (yd)

4) CENTIMETERS (cm)  $\leftrightarrow$  YARDS (yd)

5) CENTIMETERS (cm)  $\leftrightarrow$  FEET (ft)

6) FEET (ft)  $\leftrightarrow$  YARDS (yd)

7) CENTIMETERS (cm)  $\leftrightarrow$  FEET & INCHES (ft & in)

**(D) WEIGHT CONVERSION.**

1) KILOS (kg)  $\leftrightarrow$  POUNDS (lb)

2) KILOS (kg)  $\leftrightarrow$  OUNCES (oz)

3) POUNDS (lb)  $\leftrightarrow$  OUNCES (oz)

**(E) ENERGY CONVERSION.**

1) JOULES (J)  $\leftrightarrow$  KILOWATT-HOURS (kWh)

2) JOULES (J)  $\leftrightarrow$  KILOCALORIES (kCal)

3) JOULES (J)  $\leftrightarrow$  BRITISH THERMAL UNITS (BTU)

4) KILOWATT-HOURS (kWh)  $\leftrightarrow$  KILOCALORIES (kCal)

5) KILOWATT-HOURS (kWh)  $\leftrightarrow$  BRITISH THERMAL UNITS (BTU)

6) KILOCALORIES (kCal)  $\leftrightarrow$  BRITISH THERMAL UNITS (BTU)

**(F) AREA CONVERSION.**

1) SQUARE METER (sqm or m<sup>2</sup>)  $\leftrightarrow$  SQUARE FEET (sqft or ft<sup>2</sup>)

2) SQUARE METER (sqm or m<sup>2</sup>)  $\leftrightarrow$  HECTARES (ha)

3) SQUARE METER (sqm or m<sup>2</sup>)  $\leftrightarrow$  ACRES (acre)

4) SQUARE FEET (sqft or ft<sup>2</sup>)  $\leftrightarrow$  HECTARES (ha)

5) SQUARE FEET (sqft or ft<sup>2</sup>)  $\leftrightarrow$  ACRES (acre)

6) HECTARES (ha)  $\leftrightarrow$  ACRES (acre)

**(G) VOLUME CONVERSION.**

1) LITERS (lt or l)  $\leftrightarrow$  GALLONS (gl)

2) LITERS (lt or l)  $\leftrightarrow$  PINTS (pint)

3) LITERS (lt or l)  $\leftrightarrow$  US OUNCES (fl oz)

4) GALLONS (gl)  $\leftrightarrow$  PINTS (pint)

5) GALLONS (gl)  $\leftrightarrow$  US OUNCES (fl oz)

6) PINTS (pint)  $\leftrightarrow$  US OUNCES (fl oz)

#### **(H) SPEED CONVERSION.**

- 1) KILOMETERS per HOUR (km/h)  $\leftrightarrow$  MILES per HOUR (mile/h)
- 2) KILOMETERS per HOUR (km/h)  $\leftrightarrow$  MACH (mach)
- 3) KILOMETERS per HOUR (km/h)  $\leftrightarrow$  KNOTS (knots)
- 4) MILES per HOUR (mile/h)  $\leftrightarrow$  MACH (mach)
- 5) MILES per HOUR (mile/h)  $\leftrightarrow$  KNOTS (knots)
- 6) MACH (mach)  $\leftrightarrow$  KNOTS (knots)

#### **(I) PRESSURE CONVERSION.**

- 1) PASCAL (Pa)  $\leftrightarrow$  POUNDS per SQUARE INCH (psi)
- 2) PASCAL (Pa)  $\leftrightarrow$  BAR (bar)
- 3) PASCAL (Pa)  $\leftrightarrow$  ATMOSPHERE (atm)
- 4) BAR (bar)  $\leftrightarrow$  POUNDS per SQUARE INCH (psi)
- 5) BAR (bar)  $\leftrightarrow$  ATMOSPHERE (atm)
- 6) ATMOSPHERE (atm)  $\leftrightarrow$  POUNDS per SQUARE INCH (psi)

#### **(J) ANGLE CONVERSION.**

- 1) DEGREE (o)  $\leftrightarrow$  RADIANS (rad)

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## **[CONTACT]**

If you face problems contact me. e-mail [e-goum@hotmail.com](mailto:e-goum@hotmail.com)

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