

Basic Conversions

(Brown) Convert 6.51×10^4 micrometers to gigameters.

(Brown) Convert 37.43×10^2 kilograms to femtograms.

(Brown) Convert 1003004 exagrams to yottagrams.

(Brown) Convert 60 liters to milliliters.

(Brown) Convert 0.32 hectoliters to yoctoliters.

(Chicago) Convert 14.34 nanometers to micrometers.

(Chicago) Convert 2.57 hectometers to megameters.

(Chicago) Convert 823.1 gigameters to picometers.

(Chicago) Convert 120 meters to dekameters.

(Chicago) Convert 34.9 kilometers to attometers.

(Cornell) Convert 2,556 mL to L.

(Cornell) Convert 1 decimeter to gigameters.

(Cornell) Convert $12,345 \text{ cm}^3$ to km^3 .

(Mason) A cross country runner runs 7.25 km in a training run. How many mm did he run?

(Penn State) Convert 0.2025 kilometers to meters.

(Penn State) Convert 2.025 centiliters to liters.

(Penn State) Convert 202.5 cubic decimeters to cubic kilometers.

(Purdue) How many microliters are in 5.64 decaliters?

(Purdue) How many square centimeters are in 43 square millimeters?

(Purdue) How many millimeters are in 7.25 kilometers?

(USC) Convert 61.3 terameters to nanometers.

(USC) Convert 17×10^{13} deciseconds to megaseconds.

(USC) Convert 2.018 square dekameters to square millimeters.

(Blue Dragon) Convert 145.8 milligrams (mg) to kilograms (kg).

(Blue Dragon) Convert 256,000 micrometers (μm) to meters (m).

Volume meters \leftrightarrow liters

(Cornell) Convert 15 L to cubic meters.

(Cornell) What is the volume of 1 kg of water in mL?

(Texas) What is the volume in kiloliters of a cube with 1.5 meter sides?

(Texas) Convert 200 mL/s to m^3/hr .

(Blue Dragon) Convert 0.00234 cubic meters (m^3) to milliliters (mL).

Density (and other units with ratios)

(Cornell) Convert 32.5 g/L to metric tonnes per cm^3 .

(Mason) A metal block has a volume of 250 cm^3 , and a density of 7.85 g/cm^3 . What is its mass in kg?

(Purdue) A block has a volume of 250 cm^3 and a density of 8.75 g/cm^3 . What is its mass in kg?

(Texas) If you have 1.6875 kL of a liquid with density $1,200 \text{ kg/m}^3$, what is the mass of the liquid (hint: $1 \text{ kL} = 1 \text{ m}^3$)?

(Blue Dragon) Convert 3.72 grams per cubic centimeter (g/cm^3) to kilograms per cubic meter (kg/m^3).

(Blue Dragon) Convert 0.03456 liters per square meter (L/m^2) to milliliters per square centimeter (mL/cm^2)

Temperature

(Cornell) Convert 359 Kelvins to degrees Celsius.

(Mason) Convert 5 degrees Celsius to K.

(Penn State) Convert 20.25°C to Kelvin.

(USC) Convert 526 Kelvin to degrees Celsius.

Time/Velocity/Frequency

(Cornell) Convert 2 weeks to seconds.

(Cornell) Convert 72 km/h to m/s.

(Penn State) Convert 2025 years to seconds.

(Penn State) Convert 2025 seconds to years.

(Penn State) Convert 2025 Hz to min⁻¹.

(Texas) How fast is 3.2 meters per second in kilometers per hour?

(Texas) Convert 27°C/hr to K/min.

Force, Pressure, Electric

(Mason) If a pencil is on the table, with 500,000 Pa of pressure and an area of 0.2 m², calculate the force (N).

(Mason) If my computer has 1.2 kW, with a voltage of 240 V, what is my current (A)?

(Purdue) For a computer with 1.5 kW and 240 V, what is its current in A?

(USC) Convert 11.82025 Newtons to $(kg \times cm) / centisecond^2$