

Mass Measurement

Mass refers to the amount of matter in an object.

The base unit of mass in the metric system is the kilogram and is represented by kg.

1 Kilogram (kg) = 1000 Grams (g)

1 Gram (g) = 1000 Milligrams (mg)

Volume Measurement

Volume is the amount of space an object takes up.

The base unit of volume in the metric system is the liter and is represented by L or l.

1 liter (L) = 1000 milliliters (mL)

1 milliliter (mL) = 1 cm³ (or cc) = 1 gram (water)

Read the measurement based on the bottom of the **meniscus** or curve.

We can measure the volume of regular object using the formula **length x width x height**

We can measure the volume of irregular object using **water displacement**

Length Measurement

The base unit of length in the metric system is the meter and is represented by m

1 Kilometer (km) = 1000 meters (m)

1 Meter (m) = 100 Centimeters (cm)

1 Meter (m) = 1000 Millimeters (mm)

1 Centimeter (cm) = 10 millimeters (mm)