

Common Metric Units

Length	Mass
1 meter (m) = 100 centimeters (cm) 1 meter = 1000 millimeters (mm) 1000 meters = 1 kilometer (km)	1 kilogram (kg) = 1000 grams (g) 1 gram = 1000 milligrams (mg) 1000 kilograms = 1 metric ton (t)
Volume	Temperature
1 liter (L) = 1000 milliliters (mL) 1 liter = 1000 cubic centimeters (cm ³)	0°C = freezing point of water 100°C = boiling point of water

Base unit: meter, liter or gram

Prefix	Abbreviation	Factor of base unit
giga	G	1,000,000,000 (10 ⁹)
mega	M	1,000,000 (10 ⁶)
kilo	k	1,000 (10 ³)
hecto	h	100 (10 ²)
deka	da	10 (10 ¹)
base unit		1
deci	d	0.1 (10 ⁻¹)
centi	c	0.01 (10 ⁻²)
milli	m	0.001 (10 ⁻³)
micro	μ	0.000001 (10 ⁻⁶)
nano	n	0.000000001 (10 ⁻⁹)
pico	p	0.000000000001 (10 ⁻¹²)