

Unit 1 Worksheet 2: Metrics and Measurement

Scientists use the metric system of measurement, based on the number 10. It is important to be able to convert from one unit to another.

kilo	hecto	deca	deci	centi	milli
(k)	(h)	(da)	(d)	(c)	(m)
1000	100	10	.1	.01	.001
10^3	10^2	10^1	10^{-1}	10^{-2}	10^{-3}

Basic Unit

gram (g)

liter (L)

meter (m)

Convert the following.

- 35 mL = _____ dL
- 950 g = _____ kg
- 275 mm = _____ cm
- 1,000 L = _____ kL
- 1,000 mL = _____ L
- 4,500 mg = _____ g
- 25 cm = _____ mm
- 0.005 kg = _____ dag
- 0.075 m = _____ cm
- 15 g = _____ mg
- 500 mL = _____ L
- 0.35 km = _____ m
- 2.3 L = _____ mL
- 50 mm = _____ km
- 150 mg = _____ g
- 150 kg = _____ g
- 23 mL = _____ L
- 0.156 g = _____ mg
- 1.25 L = _____ mL
- 15 m = _____ mm