

conversion from milligrams to grams also requires movement of the decimal point three places, but this time to the left. The same method may be used to convert metric units of volume or length.

Table of Metric Weight

- 1 kg = 1,000.000 g
- 1 hg = 100.000 g
- 1 Dg = 10.000 g
- 1 g = 1.000 g
- 1 dg = 0.100 g
- 1 cg = 0.010 g
- 1 mg = 0.001 g
- 1 µg = 0.000001 g
- 1 ng = 0.0000000001 g
- 1 pg = 0.000000000001 g

hg, hectogram; Dg, dekagram; dg, decigram; cg, centigram; ng, nanogram; pg, picogram.

or

- 1 g = 0.001 kg
- = 0.010 hg
- = 0.100 Dg
- = 10 dg
- = 100 cg
- = 1,000 mg
- = 1,000,000 µg
- = 1,000,000,000 ng
- = 1,000,000,000,000 pg

Table of Metric Volume

- 1 kL = 1,000.000 L
- 1 hL = 100.000 L
- 1 DL = 10.000 L
- 1 L = 1.000 L
- 1 dL = 0.100 L
- 1 cL = 0.010 L
- 1 mL = 0.001 L
- 1 µL = 0.000001 L

kL, kiloliter; hL, hectoliter; DL, dekaliter; L, liter; dL, deciliter; cL, centiliter; mL, milliliter; µL, microliter.

or

- 1 L = 0.0001 kL
- = 0.010 hL
- = 0.100 DL
- = 10 dL
- = 100 cL
- = 1,000 mL
- = 1,000,000 µL

Table of Metric Length

- 1 km = 1,000.000 m
- 1 hm = 100.000 m
- 1 Dm = 10.000 m
- 1 m = 1.000 m
- 1 dm = 0.100 m
- 1 cm = 0.010 m
- 1 mm = 0.001 m
- 1 µm = 0.000001 m
- 1 nm = 0.000000001 m

km, kilometer; hm, hectometer; Dm, dekameter; m, meter; dm, decimeter; cm, centimeter; mm, millimeter; µm, micrometer; nm, nanometer.

or

- 1 m = 0.001 km
- = 0.010 hm
- = 0.100 Dm
- = 10 dm
- = 100 cm
- = 1,000 mm
- = 1,000,000 µm
- = 10,000,000,000 nm

The Apothecary System

The apothecary system provides for the measurement of both weight and volume. The tables of the system are presented below.

Table of Apothecaries' Fluid Measure

- 60 ℥ = 1 f³^a
- 8 f³ (480 ℥) = 1 f³^a
- 16 f³ = 1 pt
- 2 pt (32 f³) = 1 qt
- 4 qt (8 pt) = 1 gal

^aWhen there is no doubt that the material referred to is a liquid, ℥ the *f* is usually omitted from this symbol.

Drachm is also spelled *dram*.

℥, minim; f³, fluidrachm; f³, fluidounce; pt, pint; qt, quart; gal, gallon.

Table of Apothecaries' Measure of Weight

- 20 gr = 1 ℥
- 3 ℥ (60 gr) = 1 ℥
- 8 ℥ (480 gr) = 1 lb
- 12 (5,760 gr) = 1 lb

gr, grain; ℥, scruple; lb, pound.