

Liquid Measurement Conversion Guide

A handy guide to U.S. and Imperial liquid measures.

Abbreviations

gallon (gal)

cup (c)

tablespoon (tbsp)

quart (qt)

gill (gi)

teaspoon (tsp)

pint (pt)

fluid ounce (fl oz)

The U.S. and Imperial gallons are different sizes, but most of the fractional parts are the same. 1 U.S. gallon = 3.785 litres and 1 Imperial gallon = 4.546 litres.

U.S. Liquid Measurements Conversion Table

1 gallon is	1 gal	4 qt	8 pt	16 c	32 gi	128 fl oz
1 quart is	1/4 gal	1 qt	2 pt	4 c	8 gi	32 fl oz
1 pint is	1/8 gal	1/2 qt	1 pt	2 c	4 gi	16 fl oz
1 cup is	1/16 gal	1/4 qt	1/2 pt	1 c	2 gi	8 fl oz
1 gill is	1/32 gal	1/8 qt	1/4 pt	1/2 c	1 gi	4 fl oz
1 fluid ounce is	1/128 gal	1/32 qt	1/16 pt	1/8 c	1/4 gi	1 fl oz

Imperial Liquid Measurements Conversion Table

1 gallon is	1 gal	4 qt	8 pt	16 c	32 gi	160 fl oz
1 quart is	1/4 gal	1 qt	2 pt	4 c	8 gi	40 fl oz
1 pint is	1/8 gal	1/2 qt	1 pt	2 c	4 gi	20 fl oz
1 cup is	1/16 gal	1/4 qt	1/2 pt	1 c	2 gi	10 fl oz
1 gill is	1/32 gal	1/8 qt	1/4 pt	1/2 c	1 gi	5 fl oz
1 fluid ounce is	1/160 gal	1/40 qt	1/20 pt	1/10 c	1/5 gi	1 fl oz

*Note the different definition for fluid ounce in U.S. and Imperial systems.

For the Bakers

1 cup is	16 tbsp	48 tsp
3/4 cup is	12 tbsp	36 tsp
1/2 cup is	8 tbsp	24 tsp
1/4 cup is	4 tbsp	12 tsp
1 tablespoon is	1 tbsp	3 tsp
1 teaspoon is	1/3 tbsp	1 tsp

Liquids expand and contract with temperature, so liquid measurements are only precise when measured at specific temperatures (e.g. 60 °F or 16 °C for petroleum products)