

# CONVERSION CALCULATIONS

## Liquid Conversions

	Teaspoon	Tablespoon	Fluid Ounce	Cup	Pint	Quart	Gallon
Teaspoon (tsp)	1.0	3.0	6.0	48	96	192	768
Tablespoon (TBS)	0.33	1.0	2.0	16	32	64	256
Fluid Ounce (fl oz)	0.16	0.5	1.0	8.0	16	32	128
Cup	0.02	0.06	0.125	1.0	2.0	4.0	16
Pint (pt)	0.01	0.03	0.06	0.5	1.0	2.0	8.0
Quart (qt)	0.005	0.02	0.03	0.25	0.5	1.0	4.0
Gallon (gal)	0.0001	0.0004	0.0008	0.06	0.125	0.25	1.0

## Other Conversions

<b>Feet</b>		<i>Multiplier</i>	Gallons	x 3.785 =	Liters
Yards	3	# Yard x 3 = # feet	Liters	x 0.264 =	Gallons
Meters	3.28	# Meters x 3.28 = # feet	Pounds	x 0.454 =	Kilograms
<b>Pounds</b>		<i>Multiplier</i>	Kilograms	x 2.205 =	Pounds
Ounces	16	# Ounces x 16 = # Pounds	Ounces	x 28.35 =	Grams
<b>Temperature</b>		<i>Multiplier</i>	Grams	x 0.0353 =	Ounces
°F to °C		°C = (°F—32) x 0.555	U.S. Gallon	x 0.833 =	Imp. Gallon
°C to °F		°F = (°C x 1.8) + 32	Imp. Gallon	x 1.201 =	U.S. Gallon

## Other Calculations

BTU	# BTU = 8.33 x # gallons x # °F temperature rise
1 ppm	= 1 mg / L (milligram per liter)
1 Cubic Foot of Water	= 7.5 gallons
1 Gallon of Water	= 8.33 pounds
1 Square Foot	= 144 square inches
Area Circle	= 3.14 x r x r (r is the radius, or ½ of the diameter)
Area Rectangle	= Length (L) x Width (W) or L x W
Average Depth	= (Shallow Depth + Deep Depth) ÷ 2
Volume Rectangle (gallon)	= L x W x Avg. Depth x 7.5
Volume Circle (gallon)	= 3.14 x r x r x Avg. Depth x 7.5
Volume Oval (gallon)	= L x W x Avg. Depth x 6.7
Volume Kidney (gallon)	= L x Avg. Width x Avg. Depth x 7.0