

CONVERSION TABLES & FORMULAS

Crude Oil:

1 barrel = 42 US gallons = 34.97 UK (imperial)
gallons = 0.136 tonne (approx)
1 barrel per day (b/d) = 50 tonnes per year (approx)

1 Bushel Equals:

Wheat and Soybeans = 60 lbs.
Corn, Sorghum and Rye = 56 lbs.
Barley Grain = 48 lbs.
Barley Malt = 34 lbs.
Oats = 32 lbs.

Cotton Bales:

US = 480 lb. (the statistical net bale used by the
USDA and ICAC)
Brazil = 397 lb. (metric bale = 180 kg)
India = 392 lb. (metric bale = 170 kg)

Yields:

Wheat: bushels per acre x 0.6725 =
quintals per hectare
Rye, Corn: bushels per acre x 0.6277 =
quintals per hectare
Barley Grain: bushels per acre x 0.5380 =
quintals per hectare
Oats: bushels per acre x 0.3587 =
quintals per hectare

Live to Lean Hog Conversion:

Live Hog Price/0.74 = Lean Hog Price

Euro Conversion Rates: 1€ =

40.3399 BEF (Belgium)
1.95583 DEM (Germany)
166.386 ESP (Spain)
6.55957 FRF (France)
.787564 IEP (Ireland)
1936.27 ITL (Italy)
40.3399 LUF (Luxembourg)
2.20371 NLG (Netherlands)
13.7603 ATS (Austria)
200.482 PTE (Portugal)
5.94573 FIM (Finland)

Orange Juice:

1 metric ton of 65 degree brix = 344.8 gallons at
42 degree brix
1 metric ton of 65 degree brix = 1,405.88 gallons at
Single Strength Equivalent (SSE)

Bushels to Tonnes:

Wheat and Soybeans = bushels x 0.027216
Barley Grain = bushels = 0.21772
Corn, Sorghum and Rye = bushels = 0.025400
Oats = bushels x 0.014515

Extraction Rates:

100 Grain = 72 Bread Flour
100 Raw Sugar = 92 Refined Sugar
100 Paddy Rice = 65 Milled Rice
100 Milk = 4 butter
1 ton Barley = 105 Proof Gal. Whisky

1 Tonne (metric ton) Equals:

1 cubic meter of water
2204.622 lbs.
1,000 kilograms
22.046 hundredweight
10 quintals
36.7437 bushels of Wheat or Soybeans
39.3679 bushels of Corn, Sorghum or Rye
45.9296 bushels of Barley Grain
68.8944 bushels of Oats

Precious Metals:

24 carat implies pure gold
1 metric carat = 200 milligrams

Approximate Temperature Conversions

	FAHRENHEIT	CELSIUS or CENTIGRADE
Freezer	0°	-17°
Water freezes	32°	0°
Water simmers	115°	46°
Water scalds	130°	54°
Water boils—at sea level	212°	100°
Normal body temperature	98.6°	37°

To convert Fahrenheit into Centigrade, subtract 32, multiply by 5, divide by 9. To convert Centigrade into Fahrenheit, Multiply by 9, divide by 5, add 32.

Linear Measurements

Kilometer	=	1,000 meters	=	.6214 miles
Hectometer	=	100 meters	=	1,093.67 yards
Decameter	=	10 meters	=	32.81 feet
Meter	=	1 meter	=	39.37 inches
Decimeter	=	1/10 meter	=	3.94 inches
Centimeter	=	1/100 meter	=	.394 inches
Millimeter	=	1/1,000 meter	=	.0394 inches
1 inch	=	2.54 centimeters		
12 inches	=	1 foot	=	30.48 centimeters
3 feet	=	1 yard	=	91.44 centimeters
6 feet	=	1 fathom	=	1.829 meters
5280 feet	=	1 mile	=	1.61 kilometers

1 league is approximately 3 statute or 3 nautical miles

To convert kilometers into miles, multiply by .6214.

To convert miles into kilometers, divide by .6214.

Weight Conversion

1 kilogram	=	2.2046 pounds
1 kilogram	=	.0011 short tons
1 kilogram	=	.0010 metric tons
1 kilogram	=	.00098 long tons
1 short ton	=	2,000 pounds
1 short ton	=	907.18 kilograms
1 short ton	=	.9072 metric tons
1 short ton	=	.8929 long tons
1 long ton	=	2,240 pounds
1 long ton	=	1,016.05 kilograms
1 long ton	=	1.0160 metric tons
1 metric ton	=	2,204.6 pounds
1 metric ton	=	1,000 kilograms

1 ounce (avoirdupois) = 1/16 pound = 28.35
grams = 437½ grains

1 ounce (troy) = 1/12 pound = 480 grains

Dry Measure

2 pints	=	1 quart
8 quarts	=	1 peck

U.S. Metric Fluid Volume

	Fluid Drams	Tea- spoons	Table- spoons	Fluid Ounces	1/4 Cups	Gills 1/2 Cups	Cups	Fluid Pints	Fluid Quarts	Gallons	Milli- liters	Liters
1 Fluid Dram	1	3/4	1/4	1/8 .125	1/16 .0625	.03125	.0156	.0078	.0039	1/1024	3.70	.0037
1 Tea- spoon	1 1/3	1	1/3	1/6	1/12	1/24	1/48	1/96	1/192	1/768	5	.005
1 Table- spoon	4	3	1	1/2	1/4	1/8	1/16	1/32	1/64	1/256	15	.015
1 Fluid Ounce	8	6	2	1	1/2	1/4	1/8	1/16	1/32	1/128	29.56	.030
1/4 Cup	16	12	4	2	1	1/2	1/4	1/8	1/16	1/64	59.125	.059
1 Gill 1/2 Cup	32	24	8	4	2	1	1/2	1/4	1/8	1/32	118.25	.118
1 Cup	64	48	16	8	4	2	1	1/2	1/4	1/16	236	.236
1 Fluid Pint	128	96	32	16	8	4	2	1	1/2	1/8	473	.473
1 Fluid Quart	256	192	64	32	16	8	4	2	1	1/4	946	.946
1 Gallon	1024	768	256	128	64	32	16	8	4	1	3785.4	3.785
1 Milli- liter	.270	.203 or 1/5	.068	.034	.017	.008	.004	.002	.001	.0003	1	.001 or 1/1000
1 Liter	270.5	203.04	67.68	33.814	16.906	8.453	4.227	2.113	1.057	.264	1000	1