

CONVERSION TABLE

Measures of Capacity

| | | | | | |
|----------------|---|---|------------|---|----------------|
| 10 millilitres | = | 1 | centilitre | = | .0179 Pint |
| 10 decilitres | = | 1 | litre | = | .8799 Quart |
| 10 litres | = | 1 | dekalitre | = | 2.1997 Gallons |
| 10 dekalitres | = | 1 | hectolitre | = | 2.7497 Bushels |

Useful Conversion factors

| | | | | | |
|-----------------------|----------|----|---------|---|--------------------|
| Inches | multiply | by | 25.399 | = | millimeters |
| Millimeters _____ | " | " | .03937 | = | inches |
| Feet _____ | " | " | .3048 | = | metres |
| Yards _____ | " | " | .9144 | = | metres |
| Metres _____ | " | " | 39.37 | = | inches |
| Metres _____ | " | " | 3.2808 | = | feet |
| Metres _____ | " | " | 1.0936 | = | yards |
| Kilometers _____ | " | " | .6124 | = | miles |
| Miles _____ | " | " | 1.6093 | = | kilometers |
| Square Centimetres | " | " | .1550 | = | square inches |
| Square inches | " | " | 6.4153 | = | square centimetres |
| Square metres | " | " | 10.7643 | = | square feet |
| Square metres | " | " | 1.1960 | = | square yards |
| Square yards | " | " | .836 | = | square metres |
| Square feet | " | " | .0929 | = | square metres |
| Cubic centimetres | " | " | .0610 | = | cubic inches |
| Cubic inches | " | " | 16.3862 | = | cubic centimetres |
| Cubic metres | " | " | 35.3166 | = | cubic feet |
| Cubic feet | " | " | .0283 | = | cubic metres |
| Centimetres | " | " | 24025 | = | inches |
| Inches | " | " | 41.616 | = | centimetres |
| Kilograms | " | " | 2.2046 | = | pounds |
| Pounds | " | " | .4535 | = | kilograms |
| 1 metric ton(1000 kg) | " | " | .9843 | = | long ton |
| Gallons | " | " | .4545 | = | litres |

Calculating Litres Of Alcohol

Step 1. Strength x 0.571 = % Alcohol by Volume

Step 2. Litres x % Alcohol by Volume = Litres of Alcohol

N.B.

0.571 = Factor to convert proof to % alcohol by volume

Example

1 cask of Rum at a strength of 42 O.P. or 142 proof

O.P = Over Proof P.G = Proof Gallon L.A = Litres of Alcohol

1 cask = 40 Liquid Gallon or 181.84 Litres

P.G. = $142/100 \times 40 = 56.8$

% Alcohol by Volume = $142 \times 0.571 = 81.08$ or 81.08%

L.A. = $181.84 \times 81.08 = 147.44$

IMPORTANT CONVERSION METHODS TO REMEMBER

When Measurements are quoted in cubic measurements: Multiply the cubic measurement by 35.31 = Cubic Feet

When Weights are quoted in kilograms: Multiply the net weight by 2.2 = lbs

To calculate the Consumption Tax on Acetylene

14.7 Cu.ft = 1 lb

C/Tax = $\frac{\text{Volume Weight}}{14.7} = \text{lbs} \times 0.03$

$\frac{740}{14.7} = 50.34 \text{ lbs} \times 0.03 = \1.51