METRIC CONVERSIONS

IF YOU KNOW	AND WANT TO FIND	MULTIPLY BY
Inches	Millimeters	25.4
Inches	Centimeters	2.54
Millimeters	Inches	.03937
Centimeters	Inches	.3937
Feet	Meters	3.280
MBF, Full Sawn*	Cubic Meters	2.36
Cubic Meters	MBF, Full Sawn*	.424
MBF, Scribner Log Scale	Cubic Meters	4.52
Cubic Meters	MBF, Scribners	.221
MSF ³/₄" Basis	Cubic Meters	.885
Cubic Meters	MSF, ³/₄" Basis	1.13
Acres	Hectares	.4047
Hectares	Acres	2.4711

*Nominal sawn lumber is usually converted to cubic measure by same factors. There are approximately 638 board feet of nominal sized lumber in a cubic meter, making the mathematically correct conversion factors 1.57 and .638.

QUICK FORMULAS

1. If lumber is full sawn, or volume is computed on actual sizes, multiply the board footage expressed in thousands of board feet (MBF) by 2.358 to find cubic meters:

$$MBF \times 2.358 = M^3$$

2. If lumber volume is based upon nominal sizes, divide the actual cross section (thickness x width) by the nominal cross section (thickness x width), then multiply by 2.358. Multiply the total board footage (MBF) by this figure to find the total cubic meters:

$$\frac{Actual\ Cross\ Section}{Nominal\ Cross\ Section} \times 2.358 \times MBF = M^3$$

3. If the lumber is trimmed to a specified length, but billed on even foot basis, as in presicion end-trimmed studs, then account for this difference by multiplying the total cubic meters by an additional factor. To find this factor, divide the actual trim length by the nominal length, then multiply the total cubic meters by this number:

$$\frac{Actual\ Trim\ Length}{Nominal\ Length} \times M^3 = total\ M^3$$

QUICK LUMBER CONVERSIONS

Inches x 25.4 = Millimeters
Feet x .3048 = Meters
Cubic Feet x .02832 = Cubic Meters

Millimeters x .03937 = Inches
Meters x 3.28 = Feet
Cubic Meters x 35.314 = Cubic Feet