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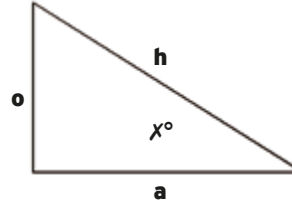
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CONVERSIONS AND STUFF

Conversions	Multiply by	
Metres to feet	=	3.281
Sq metres to sq feet	=	10.7639
Litres to pints	=	1.761
Kilos to pounds	=	2.205
Inches to millimetres	=	25.4



To Find Out Anything Else
Buy the Flints Pocket Reference on page 344.



$$\begin{aligned} o &= h \times \sin X^\circ & h &= o \div \sin X^\circ \\ o &= a \times \tan X^\circ & h &= a \div \cos X^\circ \\ a &= o \div \tan X^\circ & \tan X^\circ &= o \div a \\ a &= h \times \cos X^\circ & \sin X^\circ &= o \div h \\ \cos X^\circ &= a \div h \end{aligned}$$

Circles

$$\begin{aligned} \text{Area} &= \pi r^2 \\ \text{Circumf.} &= \pi 2r \\ \text{Pi} &= 3.14159 \end{aligned}$$



See the Construction Master Pro on page 94.

Stair Proportions

9" rise should have a 5" tread
8" rise should have a 7" tread
7" rise should have a 9" tread
6" rise should have a 11" tread
5" rise should have a 13" tread

Weights

Lead	=	11,200 kg/m ³
Iron/steel	=	7,700 kg/m ³
Aluminium	=	2,700 kg/m ³
Paper	=	1,120 kg/m ³
Water	=	1,000 kg/m ³
Oil	=	800 kg/m ³
Length of all scaffold	=	10.07 kg
Length of steel scaffold	=	29.82 kg
Wood	=	800 kg/m ³
Plywood	=	615 kg/m ³
3 x 1 PAR per m [11%]	=	0.81 kg
Scenic flax per sq m	=	0.25 kg

Tons, tonnes, short tons & hundred weights

Most lifting items nowadays will be rated in tonnes and kilograms. The symbol for a metric tonne is always a small "t". 1 t = 1,000 kg. The old imperial Ton always has a large "T" and is equal to 1,016 kg. So if you come across a piece of lifting gear rated in old Tons you can, for practical purposes, convert it straight into tonnes. The old Ton is divided into hundredweights [cwt]. There are 20 cwts to 1 T. 1 cwt = 50.8 kg. Just to confuse us, the Americans have their own ton which is often referred to as a short ton. 1 US ton = 907 kg.

Notice something missing, or know a product you think we should stock? We'd love to hear from you - email feedback@flints.co.uk