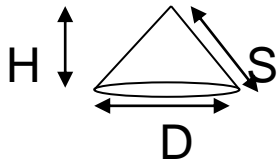


Cheat Sheet - Surface Area Calculations

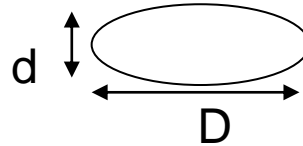
Definitions: Length = L, Width = W, Height = H, Radius = R, Diameter = D, Area = A, Pi = 3.142, S = Side

Metre to Foot * 3.28084 - Foot to Metre / 3.28084 - Inch to Centimetre * 2.54 - Centimetre to Inch / 2.54 - Inch to Millimetre * 25.4 - Millimetre to Inch / 25.4 - Meter to Centimetre * 100 - Centimetre to Metre / 100
Degree Celsius to Degree Fahrenheit F = (C * 1.8) + 32 - Degree Fahrenheit to Degree Celsius C = (F - 32) * 0.555



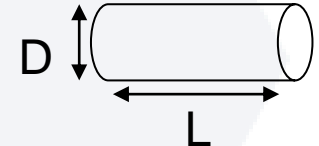
Cone

$$\text{Area} = (\text{Pi} * \text{D} * \text{S}) / 2$$



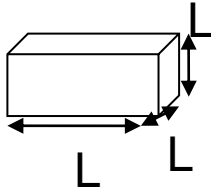
Ellipse (Oval)

$$\text{Area} = (\text{Pi} * \text{D} * \text{d}) / 4$$



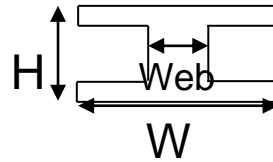
Pipe

$$\text{Area} = \text{Pi} * \text{D} * \text{L}$$



Cube

$$\text{Area} = 6 * \text{L}^2$$



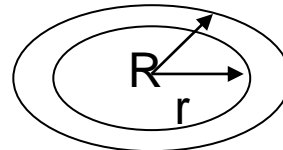
I Beam

$$\text{Area} = (2 * (2 * \text{W} + \text{H} - \text{Web})) * \text{L}$$



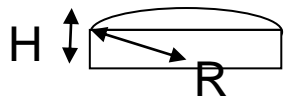
Cylinder

$$\begin{aligned} \text{Shell Area} &= 2 * \text{Pi} * \text{R} * \text{H} \\ \text{Top \& Base} &= 2 * (\text{Pi} * \text{R}^2) \end{aligned}$$



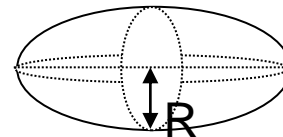
Ring

$$\text{Area} = (\text{Pi} * \text{R}^2) - (\text{Pi} * \text{r}^2)$$



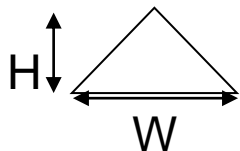
Dome End

$$\text{Area} = 2 * \text{Pi} * \text{R} * \text{H}$$



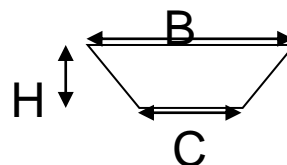
Sphere

$$\text{Area} = 4 * \text{Pi} * \text{R}^2$$



Triangle

$$\text{Area} = (\text{W} * \text{H}) / 2$$



Trapezium (2 * Parallel Sides)

$$\text{Area} = ((\text{B} + \text{C}) * \text{H}) / 2$$