

Foundations 11 Formula Sheet

Angles

$$180(n - 2) \qquad 180 - \frac{360}{n}$$

Trigonometry

$$a^2 + b^2 = c^2 \qquad \frac{\sin A}{a} = \frac{\sin B}{b} \qquad a^2 = b^2 + c^2 - 2bc \cos A \qquad \cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

Statistics

$$z = \frac{x - \mu}{\sigma}$$

Finance

$$A = P(1 + i)^n \qquad I = P \cdot r \cdot t$$

UNIT CONVERSION

	Common Imperial	Imperial and SI	SI
Length	1 mile = 1760 yards 1 mile = 5280 feet 1 yard = 3 feet 1 yard = 36 inches 1 foot = 12 inches	1 mile \approx 1.609 km 1 yard = 0.9144 m 1 foot = 30.48 cm 1 inch = 2.54 cm	1 km = 1000 m 1 m = 100 cm 1 cm = 10 mm
Mass (Weight)	1 ton = 2000 pounds 1 pound = 16 ounces	2.2 pounds \approx 1 kg 1 pound \approx 454 g 1 ounce \approx 28.35 g	1 t = 1000 kg 1 kg = 1000 g
Common Abbrevia- tions	mile = mi yard = yd feet = ' or ft inch = " or in ton = tn pound = lb ounce = oz		kilometre = km metre = m centimetre = cm millimetre = mm tonne (metric ton) = t gram = g