



Conversion Factors

Length (distance)

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|-------------|---------------------------|------------------------|
| Inches (in) | x 25.4 = Millimetres (mm) | x 0.0394 = Inches (in) |
| Feet (ft) | x 0.305 = Metres (m) | x 3.281 = Feet (ft) |
| Miles | x 1.609 = Kilometres | x 0.621 = Miles |

Volume (capacity)

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| Cubic Inches (cu in; in ³) | x 16.387 = Cubic centimetres (cc; cm ³) | x 0.061 = Cubic Inches (cu in; in ³) |
| Imperial Pints (Imp pt) | x 0.568 = Litres (l) | x 1.76 = Imperial Pints (Imp pt) |
| Imperial Quarts (Imp qt) | x 1.137 = Litres (l) | x 0.88 = Imperial Quarts (Imp qt) |
| Imperial Quarts (Imp qt) | x 1.201 = US quarts (US qt) | x 0.833 = Imperial Quarts (Imp qt) |
| US Quarts (US qt) | x 0.946 = Litres (l) | x 1.057 = US Quarts (US qt) |
| Imperial Gallons (Imp gal) | x 4.546 = Litres (l) | x 0.22 = Imperial Gallons (Imp gal) |
| Imperial Gallons (Imp gal) | x 1.201 = US gallons (US gal) | x 0.833 = Imperial Galons (Imp gal) |
| US Gallons (US gal) | x 3.785 = Litres (l) | x 0.264 = US Gallons (US gal) |

Mass (weight)

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| Ounces (oz) | x 28.35 = Grams (g) | x 0.035 = Ounces (oz) |
| Pounds (lb) | x 0.454 = Kilograms (kg) | x 2.205 = Pounds (lb) |

Force

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| Ounces-force (ozf; oz) | x 0.278 = Newtons (N) | x 3.6 = Ounces-force (ozf; oz) |
| Pounds-force (lbf; lb) | x 4.448 = Newtons (N) | x 0.225 = Pounds-force (lbf; lb) |
| Newtons (N) | x 0.1 = Kilograms-force (kgf; kg) | x 9.81 = Newtons (N) |

Pressure

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| Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) | x 0.070 = Kilograms-force per square centimetre (kgf/cm ² ; kg/cm ²) | x 14.223 = Pounds-force persquare inch (psi; lbf/in ² ; lb/in ²) |
| Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) | x 0.068 = Atmospheres (atm) | x 14.696 = Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) |
| Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) | x 0.069 = Bars | x 14.5 = Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) |
| Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) | x 6.895 = Kilopascals (kPa) | x 0.145 = Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) |
| Kilopascals (kPa) | x 0.01 = Kilograms-force per square centimetre (kgf/cm ² ; kg/cm ²) | x 98.1 = Kilopascals (kPa) |

Torque (moment of force)

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| Pounds-force inches (lbf in; lb in) | x 1.152 = Kilograms-force centimetre (kgf cm; kg cm) | x 0.868 = Pounds-force inches (lbf in; lb in) |
| Pounds-force inches (lbf in; lb in) | x 0.113 = Newton metres (Nm) | x 8.85 = Pounds-force inches (lbf in; lb in) |
| Pounds-force inches (lbf in; lb in) | x 0.083 = Pounds-force feet (lbf ft; lb ft) | x 12 = Pounds-force inches (lbf in; lb in) |
| Pounds-force feet (lbf ft; lb ft) | x 0.138 = Kilograms-force metres (kgf m; kg m) | x 7.233 = Pounds-force feet (lbf ft; lb ft) |
| Pounds-force feet (lbf ft; lb ft) | x 1.356 = Newton metres (Nm) | x 0.738 = Pounds-force feet (lbf ft; lb ft) |
| Newton metres (Nm) | x 0.102 = Kilograms-force metres (kgf m; kg m) | x 9.804 = Newton metres (Nm) |

Power

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| Horsepower (hp) | x 745.7 = Watts (W) | x 0.0013 = Horsepower (hp) |
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Velocity

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| Miles per hour (miles/hr; mph) | x 1.609 = Kilometres per hour (km/hr; kph) | x 0.621 = Miles per hour (miles/hr; mph) |
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Fuel consumption*

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| Miles per gallon, Imperial (mpg) | x 0.354 = Kilometres per litre (km/l) | x 2.825 = Miles per gallon, Imperial (mpg) |
| Miles per gallon, US (mpg) | x 0.425 = Kilometres per litre (km/l) | x 2.352 = Miles per gallon, US (mpg) |

Temperature

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| Degrees Fahrenheit = (°C x 1.8) + 32 | Degrees Celsius (Degrees Centigrade: °C) = (°F - 32) x 0.56 |
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*It is common practise to convert from miles per gallon (mpg) to litres /100 kilometres (l/100km), where mpg (Imperial) x l/100km = 282 and mpg (US) x l/100 km = 235