

Imperial & Metric Conversions

Learning Objective: Use conversion factors to convert between imperial and metric units

Lengths

Imperial		Metric
1 inch	≈	2.5 cm
1 foot	≈	30 cm
5 miles	≈	8 km

Weights

Imperial		Metric
1 pound	≈	450 g
2.2 pound	≈	1 kg
1 stone	≈	6.3 kg

Capacities

Imperial		Metric
1 pint	≈	570 ml
1 gallon	≈	4.5 l
1.75 pints	≈	1 l

1- Use the conversion factors to complete these conversions.

- 24 km ≈ _____ miles
- 6.6 Lbs ≈ _____ kg
- 18 l ≈ _____ gallons
- 1.5 kg ≈ _____ Lbs
- 2.5 stones ≈ _____ kg
- 25 miles ≈ _____ km

2- Arrange these measurements in ascending order.

- 12 Lbs – 5.5 kg – 1 stone – 5900 g

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- 4 pints – 2100 ml – 1.5 gallons – 5 l

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Key: 1 – a) 15 b) 2 c) 4 d) 1.225 e) 15.75 f) 40 // 2 – a) 12 lbs < 5.5 kg < 5900g < 1 stone b) 2100 ml < 4 pints < 5 l < 1.5 gallons