

## Imperial & Metric Conversions

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

<u>Lengths</u>		
Imperial	≈	Metric
1 inch		2.5 cm
1 foot		30 cm
5 miles		8 km

<u>Weights</u>		
Imperial	≈	Metric
1 pound		450 g
2.2 pound		1 kg
1 stone		6.3 kg

<u>Capacities</u>		
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.**

- a) 24 km ≈ \_\_\_\_\_ miles
- b) 6.6 Lbs ≈ \_\_\_\_\_ kg
- c) 18 l ≈ \_\_\_\_\_ gallons
- d) 1.5 kg ≈ \_\_\_\_\_ Lbs
- e) 2.5 stones ≈ \_\_\_\_\_ kg
- f) 25 miles ≈ \_\_\_\_\_ km

**2- Arrange these measurements in ascending order.**

- a) 12 Lbs – 5.5 kg – 1 stone – 5900 g

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- b) 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) 12lbs < 5.5 kg < 5900g < 1 stone b) 2100 ml < 4 pints < 5 l < 1.5 gallons