

## Metric and Imperial Conversions

### Using conversion Factors

*Easy examples:* Imperial units to metric units

$$1 \text{ inch} = 2.5 \text{ cm}$$

$$1 \text{ gallon} = 4.5 \text{ L}$$

$$1 \text{ oz} = 25 \text{ g}$$

In each case multiply the conversion factor by the number of the units you have.

*Easy example:* metric to imperial units

$$1 \text{ Kg} = 2.2 \text{ Lb}$$

Put in the missing figures and work out the answers.

1.) 5 inches =  $5 \times \dots\dots\dots = \dots\dots\dots \text{cm}$

2.) 6oz =  $6 \times \dots\dots\dots = \dots\dots\dots \text{g}$

3.) 12inches =  $12 \times \dots\dots\dots = \dots\dots\dots \text{cm}$

4.) 8 Kg =  $8 \times \dots\dots\dots = \dots\dots\dots \text{Lb}$

5.) 9 gallons =  $9 \times \dots\dots\dots = \dots\dots\dots \text{L}$

*Now try these!*

1. How many grams is 8oz?
2. How many pounds in 3 Kg?
3. How many litres in 27gallons?
4. What is 40 inches in cm?
5. Give 5oz to the nearest 10 grams.
6. Sam wants to put a new zip in her dress. The zip measures 15" but the shop sells them in cm. What length zip does she need to buy?
7. A man is buying a pair of trousers. He knows his leg measures 29". The shop gives the leg sizes in cm. Which pair should he buy?

A    72cm            B    73cm            C    75cm