

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