

## Day 4, Challenge 1

Convert the following measurements, using the example below.

Imperial units are used less than metric units, but you've probably come across inches and feet before. It's still handy to know how to use them, so have a go at the questions below.

### Example

You'll need these conversions for this page:  
1 metre  $\approx$  3 feet    5 centimetres  $\approx$  2 inches

The ' $\approx$ ' sign means that the measurements are approximately equal.

A rabbit's ears are 15 cm long.  
Convert this length to inches.

5 cm  $\approx$  2 inches.

15 cm is 3 lots of 5 cm.

So 15 cm  $\approx$   $3 \times 2$  inches = **6 inches**



### Set A

Convert the following using approximations:

- 2 metres to feet
- 5 metres to feet
- 9 metres to feet
- 6 feet to metres
- 12 feet to metres
- 18 feet to metres

Find the missing values:

- Convert 20 cm to inches.  
5 cm  $\approx$  2 inches  
20 cm is 4 lots of 5 cm.  
So 20 cm  $\approx$    $\times$  2 =  inches
- Convert 12 inches to cm.  
2 inches  $\approx$  5 cm  
12 inches is  lots of 2 inches.  
So 12 inches  $\approx$    $\times$  5 =  cm

Approximately:

- how many inches is 10 cm?
- how many inches is 25 cm?
- how many cm is 10 inches?
- how many cm is 16 inches?
- House A is 8 m tall.  
House B is 27 feet tall.  
Which house is taller?