

## Vocabulary

Converting – Change the form or character of something

Units – A quantity chosen as a standard e.g. a unit of measurement

Approximately - Almost, but not completely, accurate or exact

What does this sign mean?



The sign stands for approximately as sometimes when we are converting, we may use a rounded approach rather than multiple decimal places.

For example:

5 miles  8 kilometres

8 kilometres  5 miles

As well as metric units of measurement, we also use imperial measures with their own approximate conversions including:

2.5 cm  $\approx$  1 inch

1 foot = 12 inches

1 pound (lb) = 16 ounces

1 stone = 14 pounds (lbs)

1 gallon = 8 pints

To convert accurately, we need to decide how one number has changed (deciding whether we have multiplied or divided to scale the number) and do the same to the other side.

$$1 \text{ gallon} = 8 \text{ pints}$$

\_\_\_ gallons  24 pints

How has pints been scaled up?  
How can we use this to work  
out gallons?

1 foot = 12 inches

\_\_\_ feet



24 inches

6 feet



\_\_\_ inches

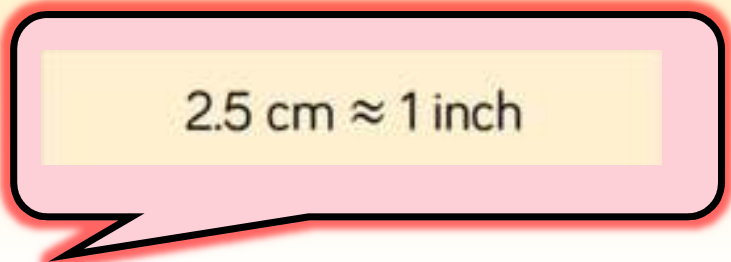
Practice:

Convert the following:

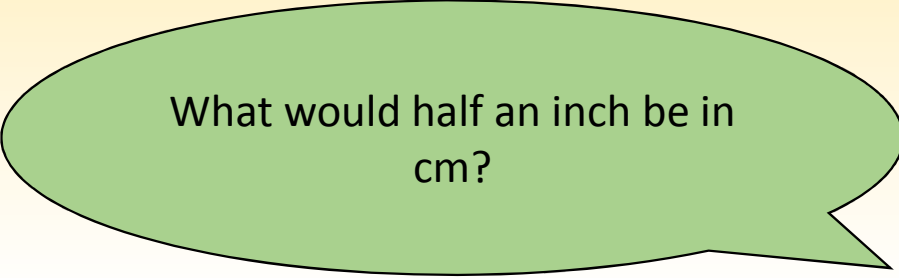
1) 2 inches = ? cm

2) 7.5 cm = ? inches

3) 10 inches = ? cm



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



What would half an inch be in  
cm?

## Practice 2:

Convert the following:

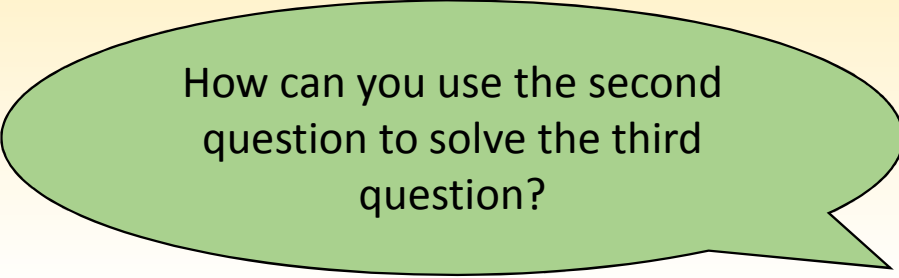
1) 2 stone = ? lbs

2) 140 lbs = ? stone

3) 5 stone = ? lbs



1 stone = 14 pounds (lbs)



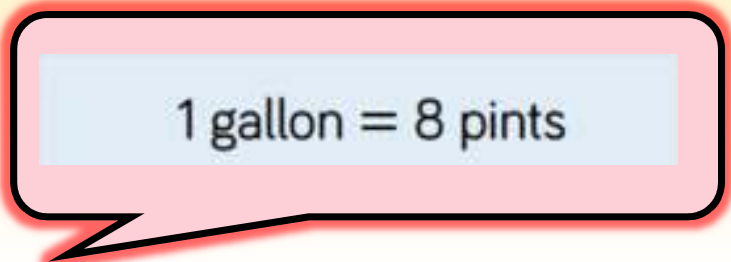
How can you use the second question to solve the third question?



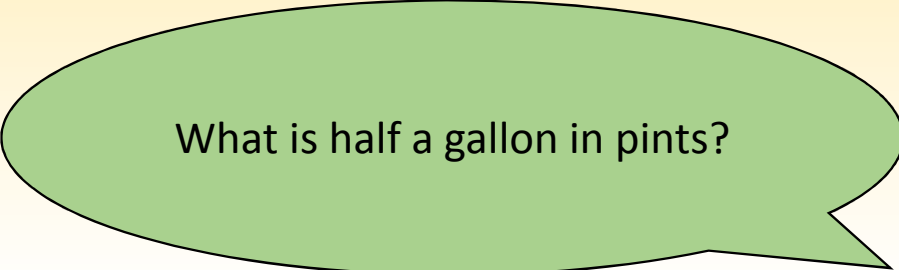
### Practice 3:

Convert the following:

- 1) 3 gallons = ? pints
- 2) 40 pints = ? gallons
- 3) 100 gallons = ? pints



1 gallon = 8 pints



What is half a gallon in pints?