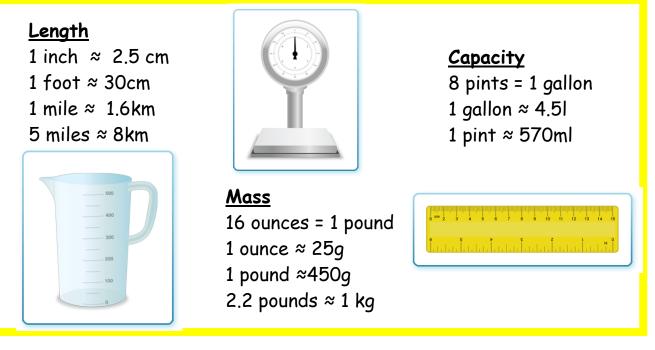
## Imperial to Metric Measures.

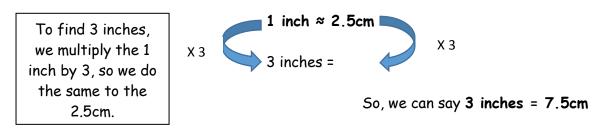
Below is a table to help us to convert from one unit of measure to another.

(Note: the wiggly equal sign  $\approx$  just means 'approximately equal to'.)



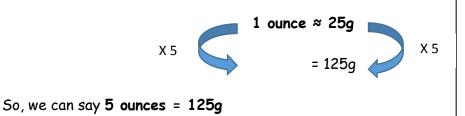
If we know 1 inch  $\approx$  2.5cm

If we measure an object to be 3 inches long, we may need to know what the measure is in centimetres so using the above fact, we can work this conversion out.



If we know 1 ounce  $\approx$  25g

If we weigh an ingredient in grams, we may need to know what the measure is in ounces so we can follow a recipe. Using the above fact, we can work this conversion out.



To find how many ounces is the same as 125 grams , we have to work out what we multiply 25 by to get to 125 and then we can do the same to the 1 ounce.

I go to the shop and buy 16 pints of milk.         1. How many gallons of milk have I bought?        2 gallons         2. Convert that answer into litres        9 litres	Solution: I have completed the first one to show you how to work it out.         For question 1 - we need to know that:         x2       8 pints ≈ 1 gallon         x2       16 pints =         X2         For question 2 - we need to know that:         1 gallon ≈ 4.5 litres         2 gallons = 9 litres
<ul> <li>3. When baking a cake I need 100grams of sugar. Convert this to ounces. 4 ounces</li> <li>4. I also need 300grams of cocoa powder. Convert this to ounces, 12 ounces</li> </ul>	Solution: For question 3 and 4 - we need to know that: <b>1 ounce ≈ 25g</b> 4 ounces = 100g 12 ounces = 300g
5. A baby weighs 4kg when it is born. Convert this to pounds. 8.8 pounds	Solution: For question 5 - we need to know that: 2.2 pounds ≈ 1 kg 8.8 pounds = 4 kg

<ul> <li>Subway measures their sandwiches in inches and feet.</li> <li>6. If you have a 6 inch sandwich, how many cm long is your sandwich? 15 cm</li> <li>7. If you have a foot long sandwich, how many cm long is it? 30cm</li> </ul>	Solution:         For question 6 - we need to know that:         1 inch ≈ 2.5 cm         6 inches = 15cm         For question 7 - we need to know that:         1 foot ≈ 30cm         1 foot = 30 cm
Image: Colspan="2">Image: Colspan="2" Colspan="2">Image: Colspan="2" Colspan="2" Colspan="2">Image: Colspan="2" Colspan="	Solution:         For question 8-10 - we need to know that:         1 inch ≈ 2.5 cm         9 inches = 22.5 cm         11 inches = 27.5 cm         13 inches = 32.5cm
The longest snake ever is 7.2m. 11. Convert 7.2m into cm 720 cm 12. Convert your answer to feet 24 feet	Solution: For question 11 - we need to know that: 1 metre = 100 cm 7.2 m = 720 cm For question 12 - we need to know that: 1 foot ≈ 30cm 24 feet = 720 cm