



Functional Skills and GCSE Foundation

Edexcel

Unit 2: Measure, shape and space Lesson 2 - Converting units

FS1

FS2

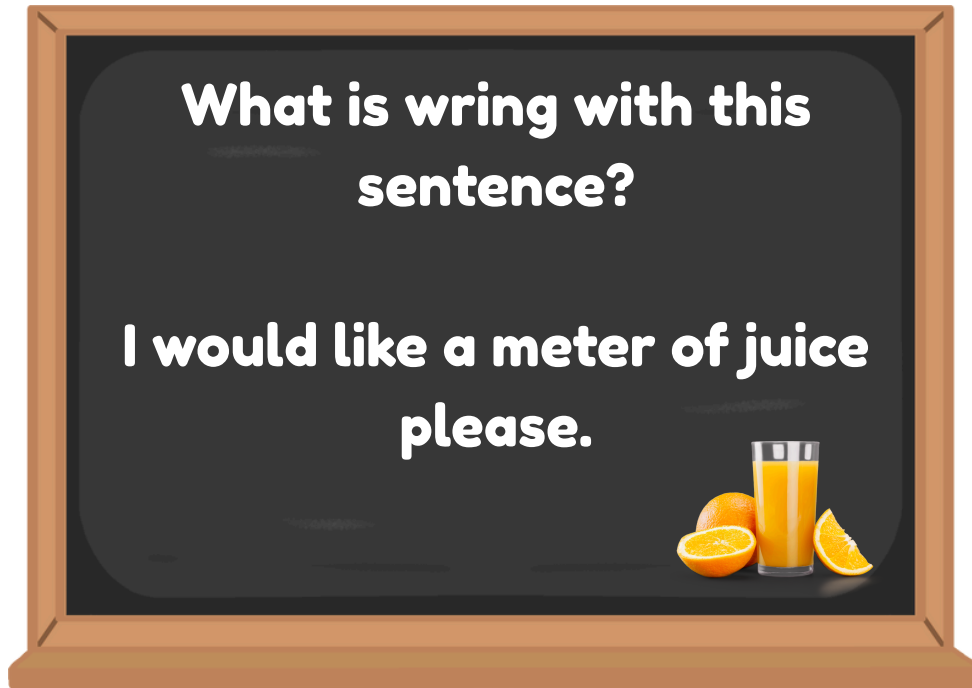
GCSE

iGCSE

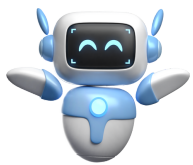
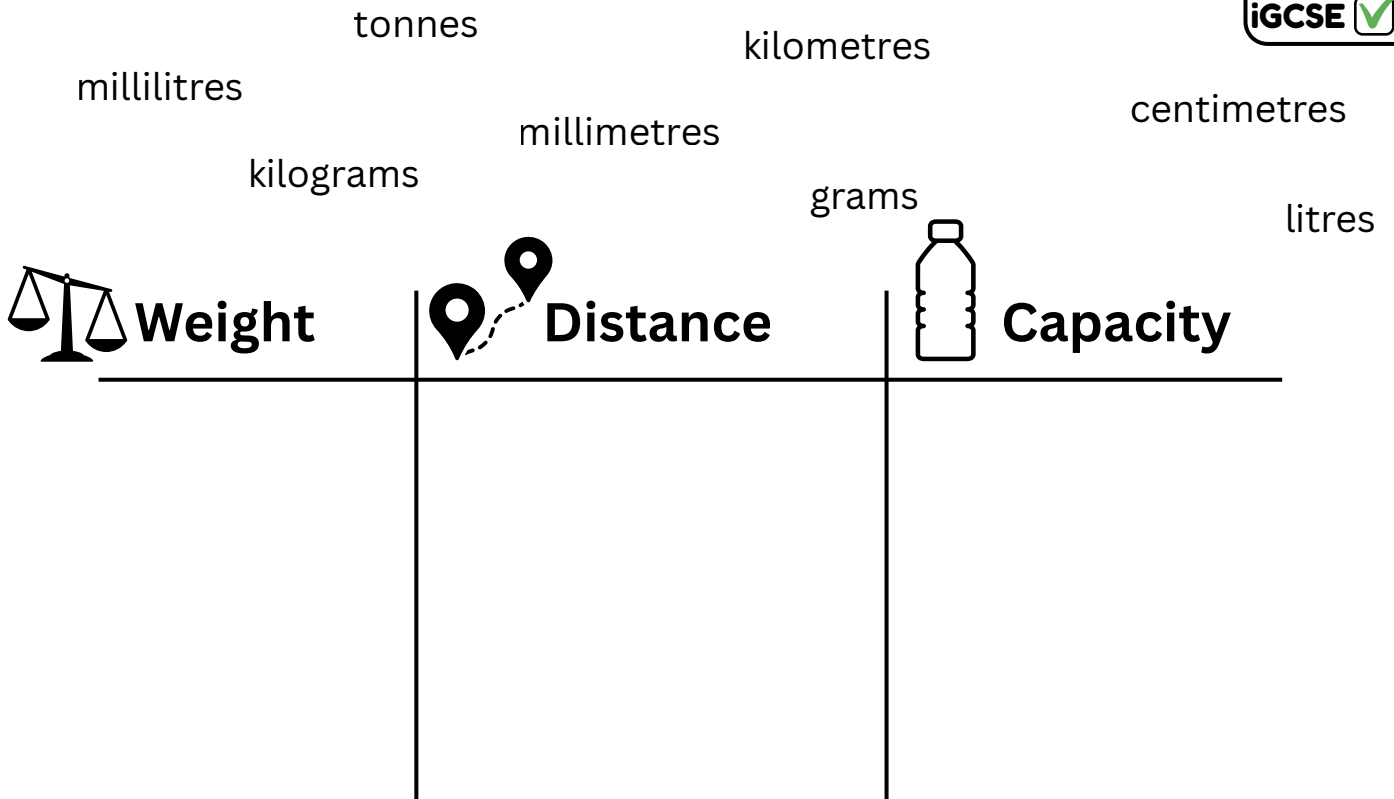
Bring these to join in:

A tin of beans/tomatoes or anything similar, a tape measure, a calculator, a bag of flour or sugar, something to weigh out 1lb of the flour/sugar with and in

Start thinking:



A large empty rectangular box with a black border, intended for writing an answer to the question on the chalkboard.



Robot vs Granny





Weight

1000 milligrams

Gram

1/1000 kilogram



Distance

1000 millimetres

100 centimetres

Metre

1/1000 kilometre



Capacity

1000 millilitres

100 centilitres

Litre

Milli means.....

Centi means

Kilo means

Does it make sense?

$$1000 \text{ m} = 1 \text{ km}$$

$$3000 \text{ kg} = 3 \text{ g}$$

$$200 \text{ cl} = 2 \text{ l}$$

$$20 \text{ cm} = 2 \text{ mm}$$

$$5000 \text{ mg} = 5 \text{ g}$$



Converting units

$$1 \text{ foot} = 30 \text{ cm}$$

2 feet =

3 feet =

7 feet =

32.1 feet =

90 cm =

3000 cm =

3m =

4321 cm =

Converting units - would you rather?

$$1 \text{ mile} = 1.6 \text{ km}$$



Converting units - would you rather?

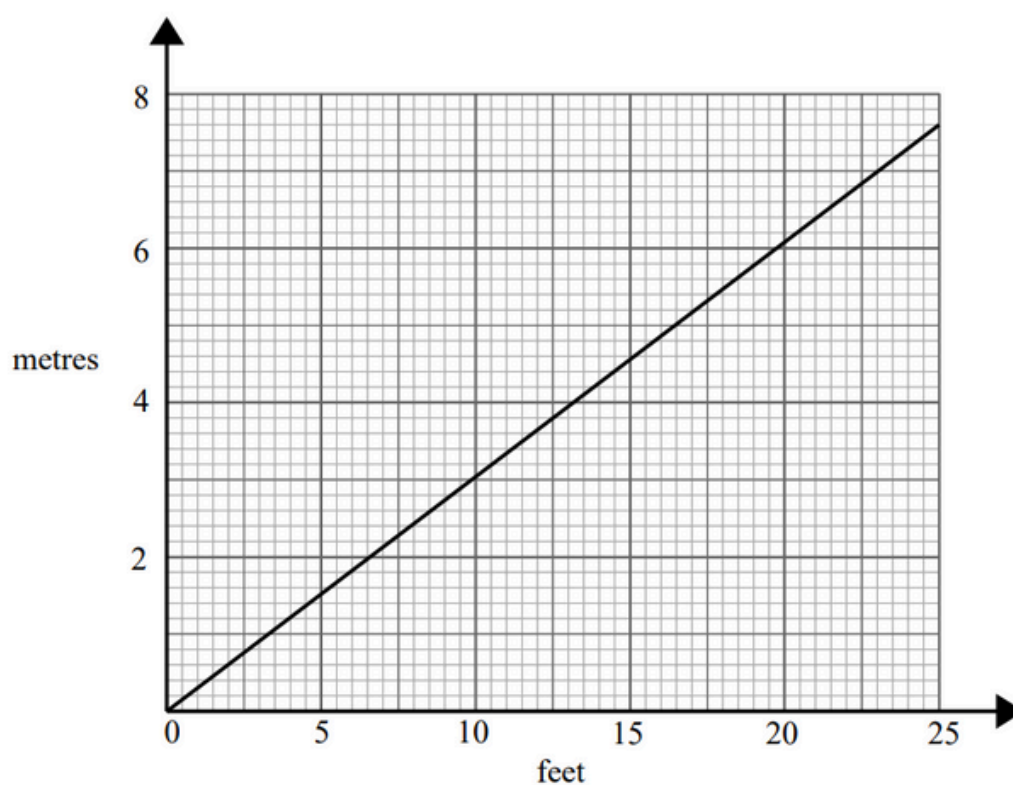
1 pound = 450g

1 gallon = 4.5 litres

Converting units - on a graph

You can use this graph
to convert between
meters and feet

www.mathsgenie.co.uk



What is 15 feet in metres?

What is 4 metres in feet?



At home:

Corbett maths - converting metric units practice

<https://corbettmaths.com/wp-content/uploads/2020/05/Metric-Units.pdf>

Answers:

<https://corbettmaths.com/wp-content/uploads/2015/03/units-answers.pdf>

Video:

<https://corbettmaths.com/2014/01/16/metric-units-for-length/>

Corbett maths - converting imperial units

<https://corbettmaths.com/wp-content/uploads/2013/02/converting-imperial-units-pdf1.pdf>

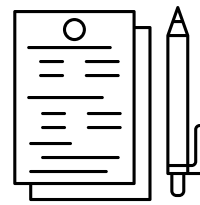
Answers:

<https://corbettmaths.com/wp-content/uploads/2020/06/Imperial.pdf>

Video:

<https://corbettmaths.com/2014/01/16/converting-imperial-length/>

At home:



Exam questions

**Cognito video and questions on conversion graphs:
(not needed for FS1)**

https://cognitoedu.org/coursesubtopic/m2-gcse-edexcel-f_3.25

Kenneth Stafford exam questions:

<https://www.kennethstafford.co.uk/resources-folder/past-paper-questions/grade-3-gcse-maths-topics/conversions-and-units/qs-conversions-and-units-pp>

Answers:

<https://www.kennethstafford.co.uk/resources-folder/past-paper-questions/grade-3-gcse-maths-topics/conversions-and-units/ans-conversions-and-units-pp>