Pearson

Teaching The Fundamentals | Level 1 Conversions

Chris Briggs
Product Manager Post 16 English, Maths and Digital Skills

Conversion

The Standards

Learners need to be able to convert between units of length, weight, capacity, money in the same system.

1000 cm^3 = 1 litre will be given

Final money answers which are in pounds and pence must be given to 2 decimal places.

(a) Convert 2500 g into kilograms. **(1)**

Write your answer in the box below.

kg

Examiner Feedback

Learners were asked to convert 2500 g into kilograms and while many learners provided the correct answer some did not remember which conversion factor to apply, with most often seen incorrect answer being 25 or 0.25.

Functional Skills Maths | Assumed Knowledge

Using your general knowledge, answer the following questions:

1. How many days are there in a week?
2. How many months are there in a year?
3. How many days are there in a fortnight?
4. How many seasons are there in a year?
5. How many weeks are there in a year?
6. How many metres are there in a kilometre?
7. How many millilitres are there in a litre?
8. How many centimetres are there in a metre?
9. How many grams are there in a kilogram?
10. How many millimetres are there in a centimetre?

Conversion

Conversion is often included in the high tariff questions. This raises the question, is the issue conversion or are the learners more likely to struggle because it is embedded with other criteria?

Seenal is a baker.
She buys flour in 50 kg bags.

The table shows the number of 50 kg bags of flour she used to make loaves in each of the last 4 weeks.

week	1	2	3	4
number of bags of flour	7	14	8	13

Seenal will make 2400 loaves in week 5
Each of these loaves will need 250 g of flour.

Seenal works out the weekly mean number of 50 kg bags of flour used in these 5 weeks.
She will use this figure for future orders.

Work out the weekly mean number of 50 kg bags of flour used in these 5 weeks.

(5)

Conversion

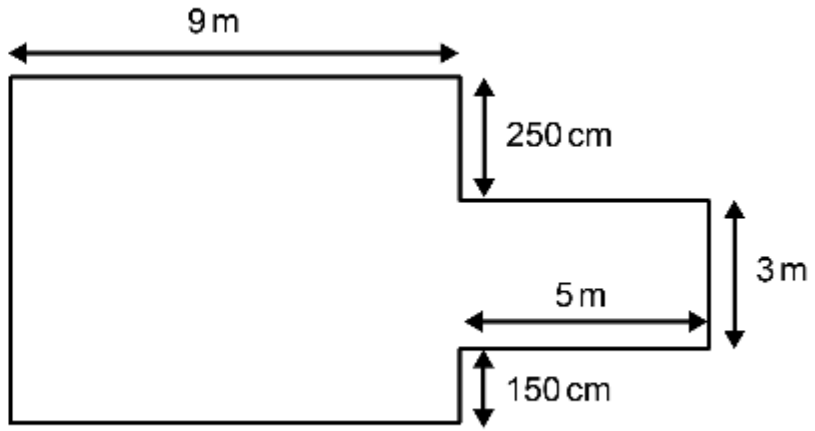
Conversion is often included in the high tariff questions. Learners can often not see that conversions are needed or which way to make the conversion.

In this case the answer needs to be given in metres.

Arun wants to put edging around his lawn.

He has this diagram of the lawn.
All corners of the lawn are right angles.

Arun can buy edging in black or grey.
He wants 60% of the length of the edging around the lawn to be black.
The remaining length of the edging will be grey.



What length of edging around the lawn will be grey?
Give your answer in metres. **(6)**

Conversion

Conversion is often included in the high tariff questions.

We can see here the use of decimals for pence which complicates the question but is a real-life scenario.

Grace looks at her electricity bill for November.

Electricity bill	
meter reading last time	20312 (kWh)
meter reading this time	22198 (kWh)
unit cost	5.4 pence per kWh used
standing charge	30 days at 16.74 pence per day
total bill for November	£105.84

Grace knows the meter readings are correct.

Is the total amount on the bill for November correct?
You **must** show your working.

(6)

Conversion

Conversion is often included in the high tariff questions.

We can see here two conversions are needed:

- Converting from metres to centimetres
- Converting from cm^3 to litres

NB should the learners convert from m to cm before or after working out the volume?

Natalie wants to buy a travel bag.

She finds the following information about two travel bags.

Holdon bag	Mile bag
Capacity 38.5 litres	Internal measurements 0.25 m by 0.3 m by 0.6 m
£82.99	£81.99

The Mile bag is in the shape of a cuboid.

Natalie wants to buy the travel bag with the bigger capacity.

She knows that 1 litre = 1000 cm^3

Which travel bag should Natalie buy?

Show why you think this.

(4)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