

Y5 Mastery Questions – Measurement

1.

Amir buys 2,500 grams of potatoes and 2,000 grams of carrots.



He pays with a £5 note.
How much change does he get?

2.

Eva is converting measurements.
She says,



I have divided by 1,000 to convert the measurements.

Which conversions could Eva have completed?

- 3 km \rightarrow 3,000 m
- 3,000 m \rightarrow 3 km
- 5,500 g \rightarrow 5.5 kg
- 2.8 kg \rightarrow 2,800 g

3.

Ribbon is sold in 225 mm pieces.
Teddy needs 5 metres of ribbon.
How many pieces does he need to buy?

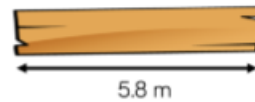
Teddy would like to make either a bookmark or a rosette with his left over ribbon. Which can he make?

To make 5 bookmarks you will need:
1.2 metres of ribbon
1 pair of scissors

To make 1 mini rosette you will need:
4 pieces of ribbon cut to 35 mm
A stapler

4.

A plank of wood is 5.8 metres long.



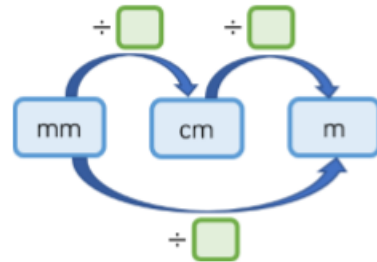
Two lengths are cut from the wood.

175 cm

$3\frac{4}{5}$ m

How much of the wood is left?

Complete the conversion diagram.



Can you make a diagram to show conversions from m and cm to mm?

5.

A 10 pence coin is 2 mm thick.



Eva makes a pile of 10 pence coins worth £1.30

What is the height of the pile of coins in centimetres?

Dora says,



One metre is 100 times bigger than one centimetre.
One centimetre is 10 times bigger than one millimetre.
So, one metre is 110 times bigger than one millimetre

Is Dora correct?

Explain your answer.

