

Money Bags

1

Lucy and her brother Tom have been given a bag of coins each. When they weighed their coins, Lucy's bag weighed more than Tom's, but when they counted their money out, Tom had more money than Lucy. This can't be right... can it? Explain why you think this can or can't be true.



Walkathon!

2

Over five days, I walked the following distances:

Monday	1.3km
Tuesday	2550m
Wednesday	2km 600m
Thursday	2.45m
Friday	2900m



How far did I walk in total? Write your answer in kilometres using decimal notation.

True or False?

3

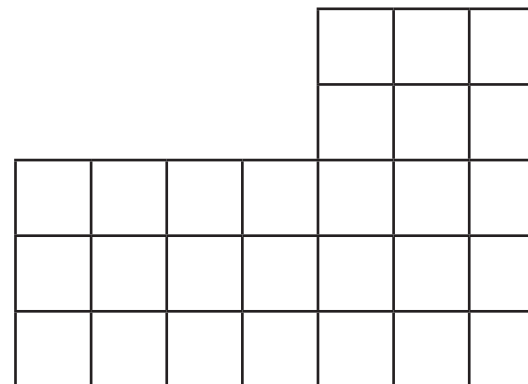
Complete the table to show whether the statements are true or false.

			True or False?
5750m	=	5.75km	
230 seconds	>	2 minutes 30 seconds	
350cm	<	3.49cm	
3.6l	=	3600ml	
2800g	>	2.9kg	

Carpet Cost

4

The Hughes family are ordering a new carpet. This is the room the carpet is for:



The carpet costs £10 per square metre. How much will the carpet cost for the whole room?

Time Order

5

Write a time from the top box in the middle of each row so that the times on each row are in order from earliest to latest.

03:45	9:35 p.m.	15:25	08:30	1:25 p.m.
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1:50 p.m.		4:15 p.m.
12:40		13:30
20:45		22:50
2:25 a.m.		5:55 a.m.
7:20 a.m.		9:50 a.m.

Water Challenge

6

The doctor told Luke that he should drink eight glasses of water a day. Each glass has a capacity of 250ml. Here is a table to show the amount of water he drank each day last week. How much more water would he need to have drunk in total to reach the recommended amount? Write your answer in litres, using decimal notation.

Monday: 1.5 litres	Tuesday: 2 litres
Wednesday: 1.75 litres	Thursday: 1.25 litres
Friday: 2 litres	Saturday: 1.5 litres
Sunday: 1.75 litres	

Stamps

7

A stamp measures 20mm by 25mm. A piece of paper measures 23cm by 15cm. If you stuck the stamps side by side without leaving a gap, how many stamps would you be able to stick on the page?

The stamps can be stuck any way round.

You could draw a sketch to help you.



Perimeter and Area

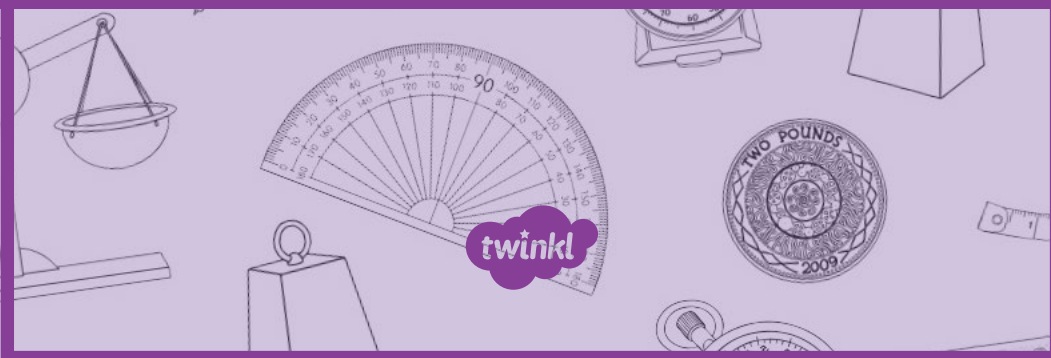
8

What are the lengths and widths of these rectangles?

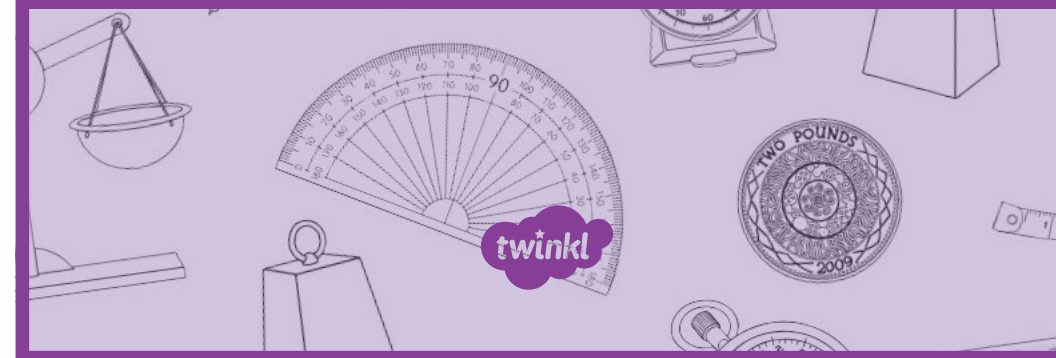
- a The perimeter of the shape is 22cm and the area is 28 square centimetres.
- b The perimeter of the shape is 26cm and the area is 36 square centimetres.
- c The perimeter of the shape is 24cm and the area is 20 square centimetres.



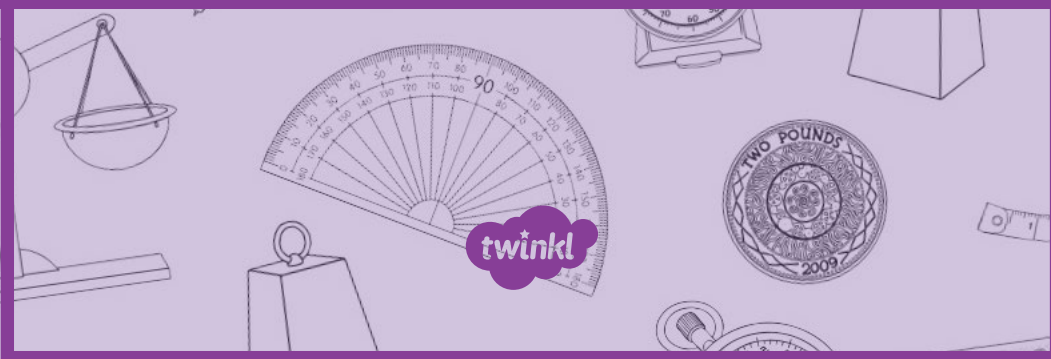
**Measurement
Challenge Cards**



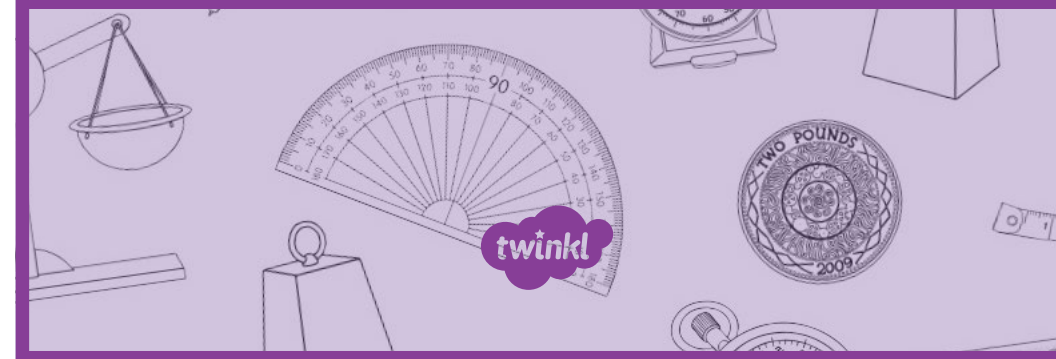
**Measurement
Challenge Cards**



**Measurement
Challenge Cards**



**Measurement
Challenge Cards**



Answers

1. *The statement can be true because, even though Lucy's bag was heavier, her money may have been made up by smaller value coins. For example, Tom could have one 10p coin and Lucy could have nine 1p coins. The nine 1p coins would have a greater mass than the one 10p coin but the value would be less.*

2. *11.8km*

3.

			True or False?
5750m	=	5.75km	<i>true</i>
230 seconds	>	2 minutes 30 seconds	<i>true</i>
350cm	<	3.49cm	<i>false</i>
3.6l	=	3600ml	<i>true</i>
2800g	>	2.9kg	<i>false</i>

4. *The carpet will cost £270.*

5.

1:50 p.m.	<i>15:25</i>	4:15 p.m.
12:40	<i>1:25 p.m.</i>	13:30
20:45	<i>9:35 p.m.</i>	22:50
2:25 a.m.	<i>03:45</i>	5:55 a.m.
7:20 a.m.	<i>08:30</i>	9:50 a.m.

6. *Luke would need to have drunk 2.25l more water to reach the recommended amount.*

7. *66 stamps or 63 stamps*

8. a) *7cm and 4cm*

b) *9cm and 4cm*

c) *10cm and 2cm*