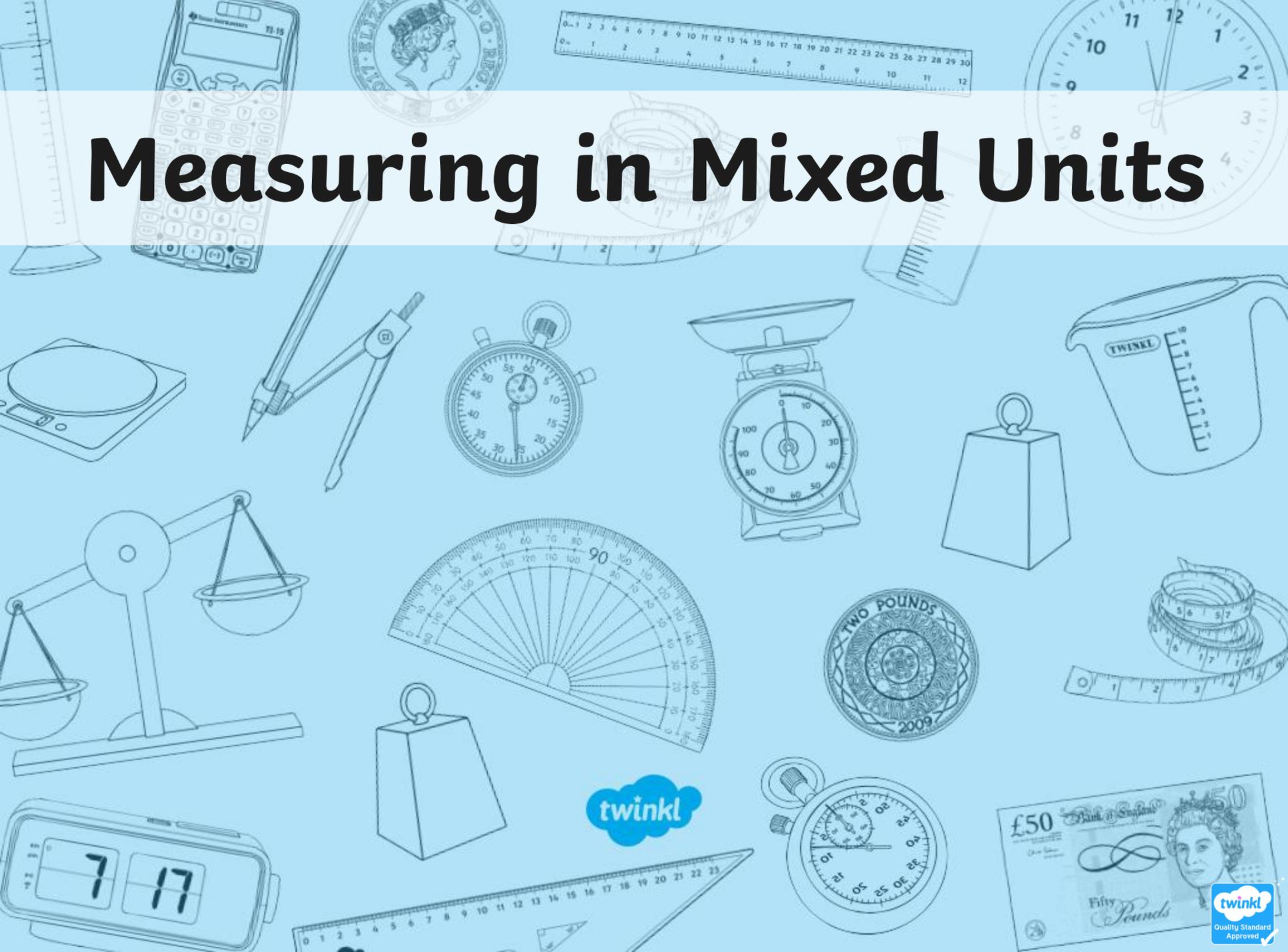




Maths

Measurement

Measuring in Mixed Units



Aim

- I can use mixed units to measure and record length.

Success Criteria

- I can measure in centimetres and millimetres.
- I can measure and record length in metres and centimetres.

Order It - Length



Here are some length measurements. Order them from shortest to longest.

8mm

23m

10m

45m

58cm

11cm

3m

2mm

4cm

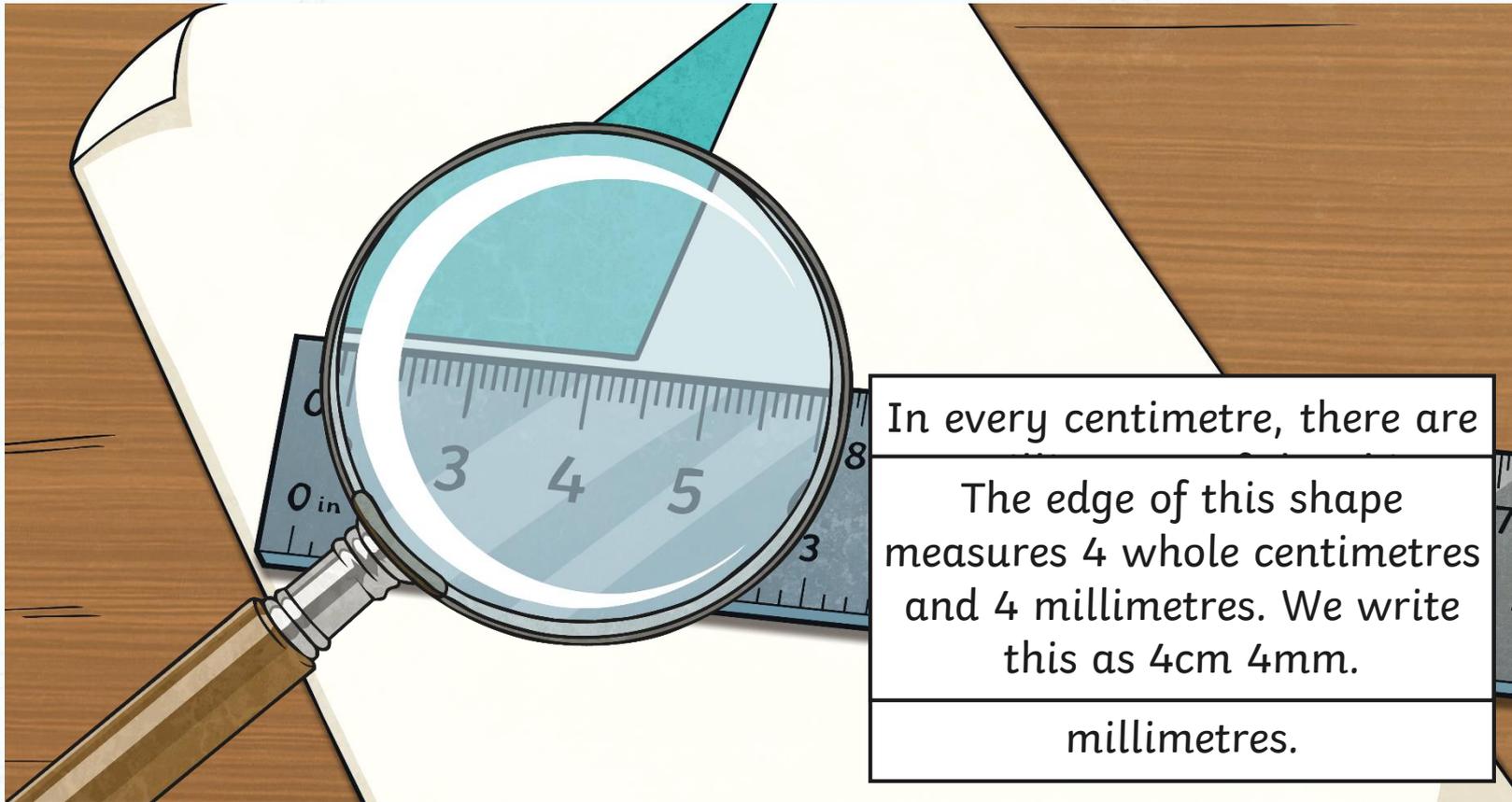
22cm



Measuring in Centimetres and Millimetres



Sometimes when we measure length in metres or in centimetres, the measurement isn't exact. When this happens, we need to use mixed units.



In every centimetre, there are

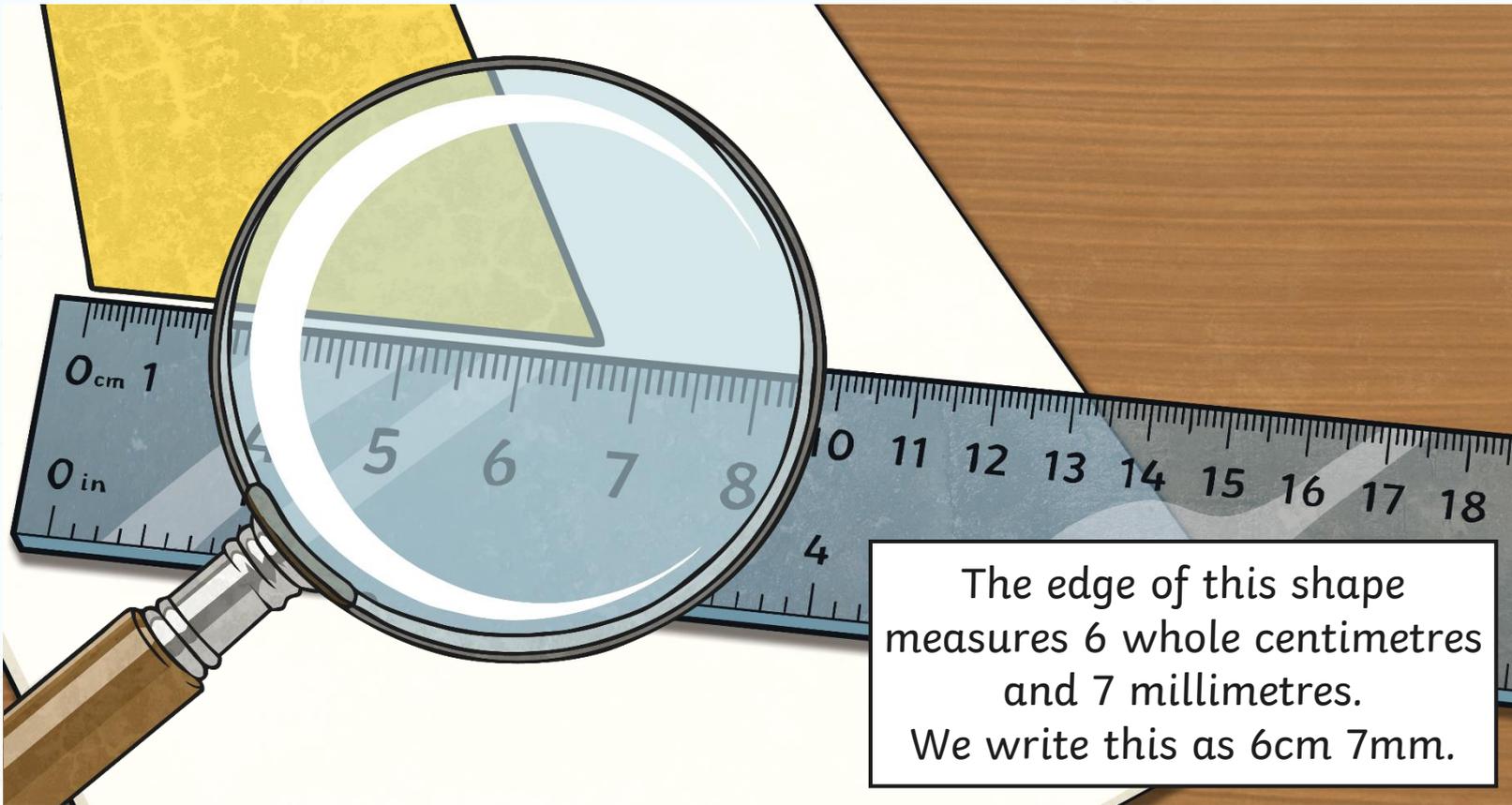
The edge of this shape measures 4 whole centimetres and 4 millimetres. We write this as 4cm 4mm.

millimetres.

Measuring in Centimetres and Millimetres



What does the edge of this shape measure?

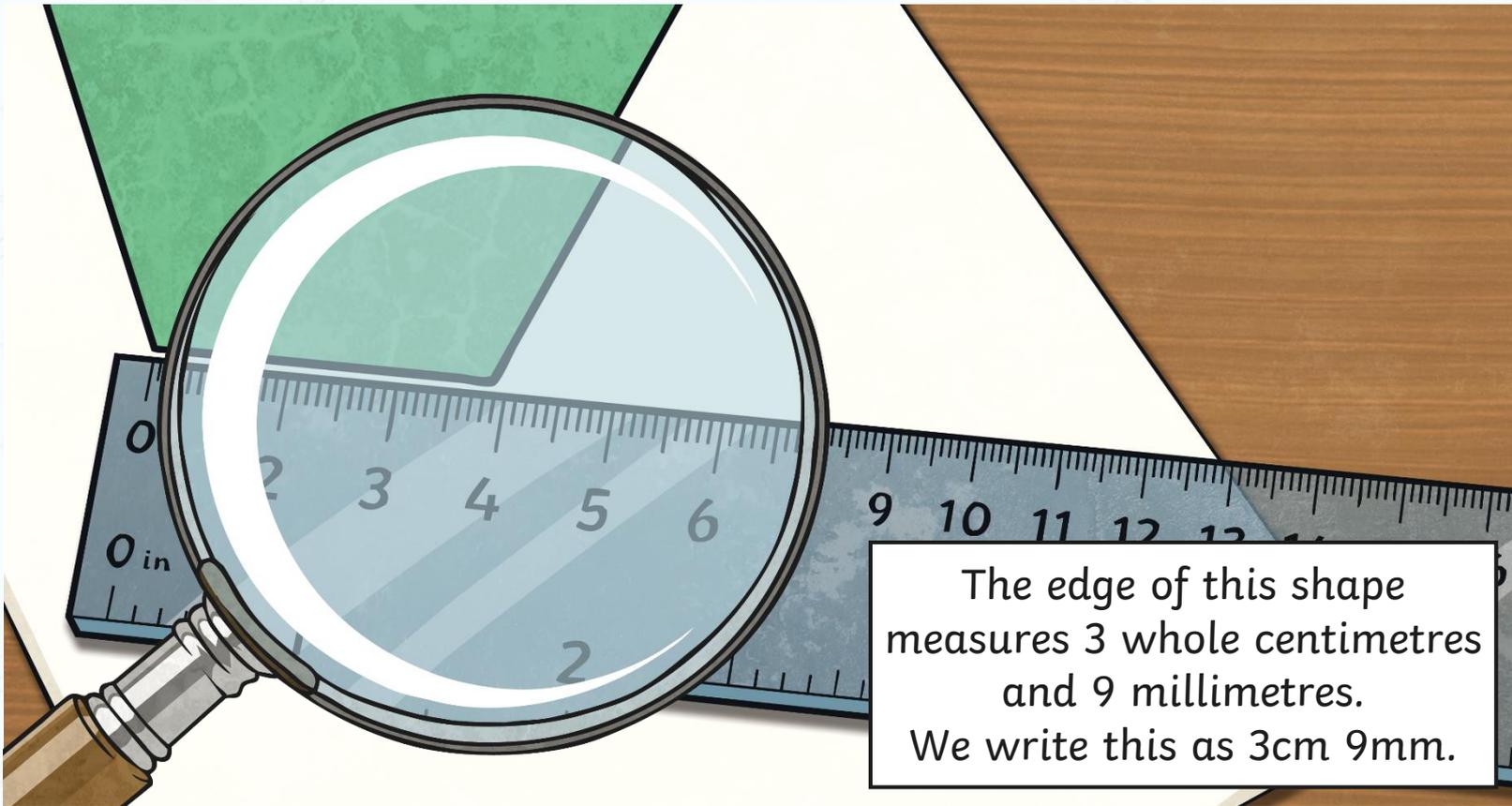


The edge of this shape
measures 6 whole centimetres
and 7 millimetres.
We write this as 6cm 7mm.

Measuring in Centimetres and Millimetres



What does the edge of this shape measure?



The edge of this shape measures 3 whole centimetres and 9 millimetres.
We write this as 3cm 9mm.

Measuring in Centimetres and Millimetres

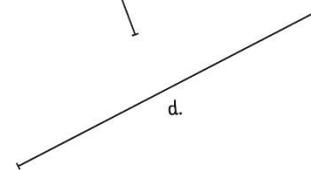
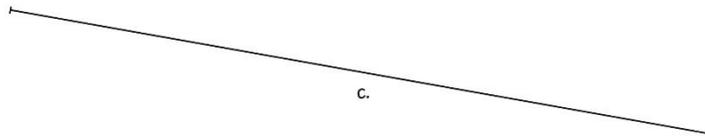
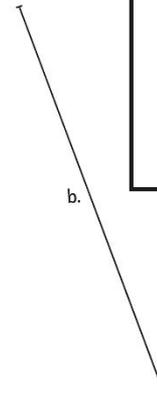
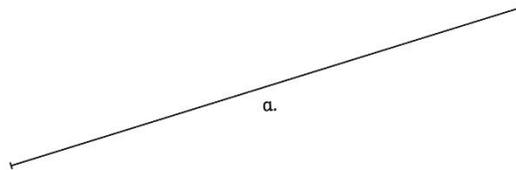


With your partner, measure the lines on the Measuring in Centimetres and Millimetres Activity Sheet

Measuring in Centimetres and Millimetres

I can use mixed units to measure and record length.

Measure these lines in centimetres and millimetres:



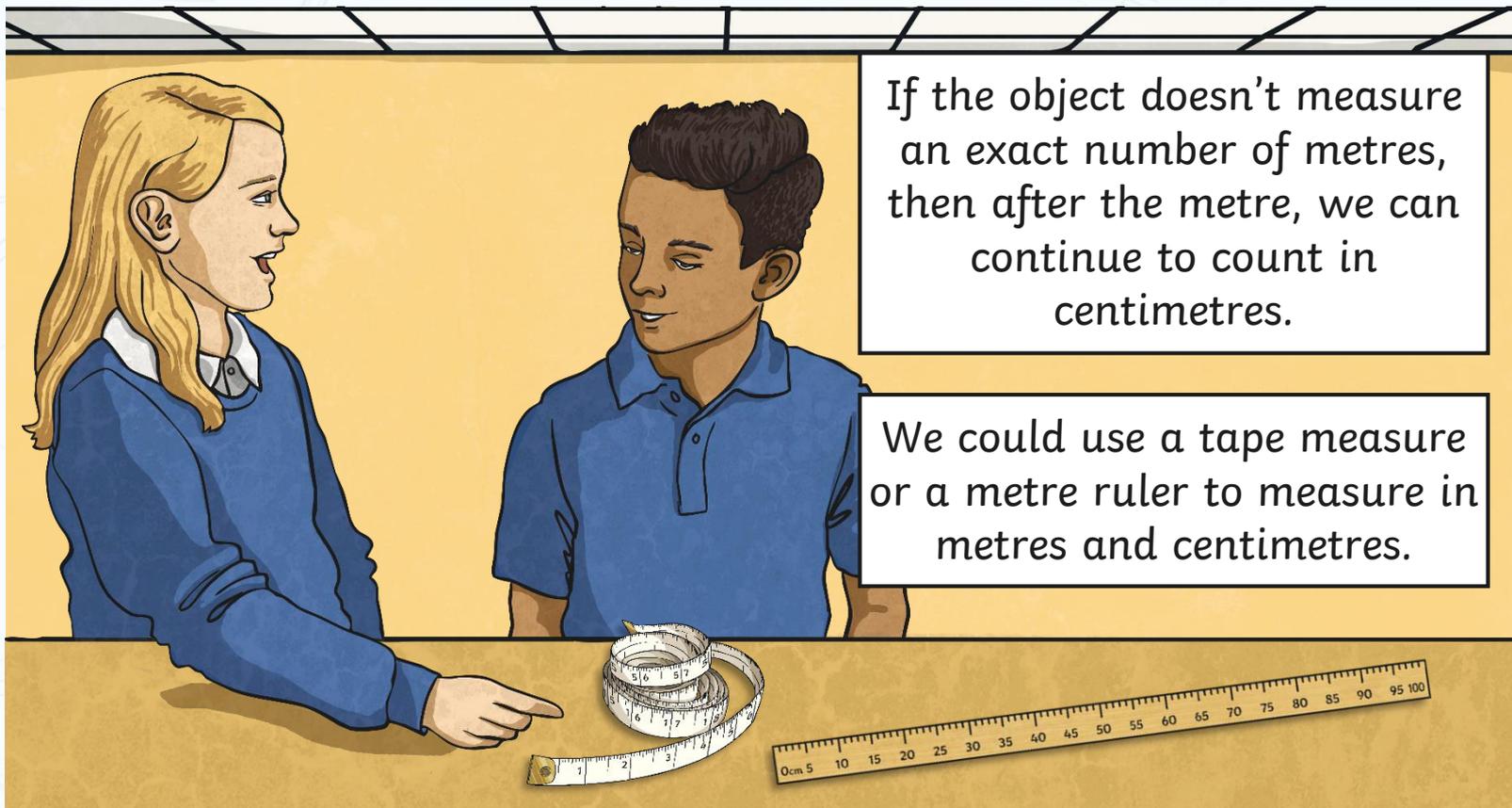
Answers:

- a) 12cm 6mm
- b) 9cm 7mm
- c) 16cm 4mm
- d) 8cm 2mm

Measuring in Metres and Centimetres

Whole Class

When measuring larger objects, sometimes we need to measure in metres and centimetres. In every metre, there are 100 centimetres.



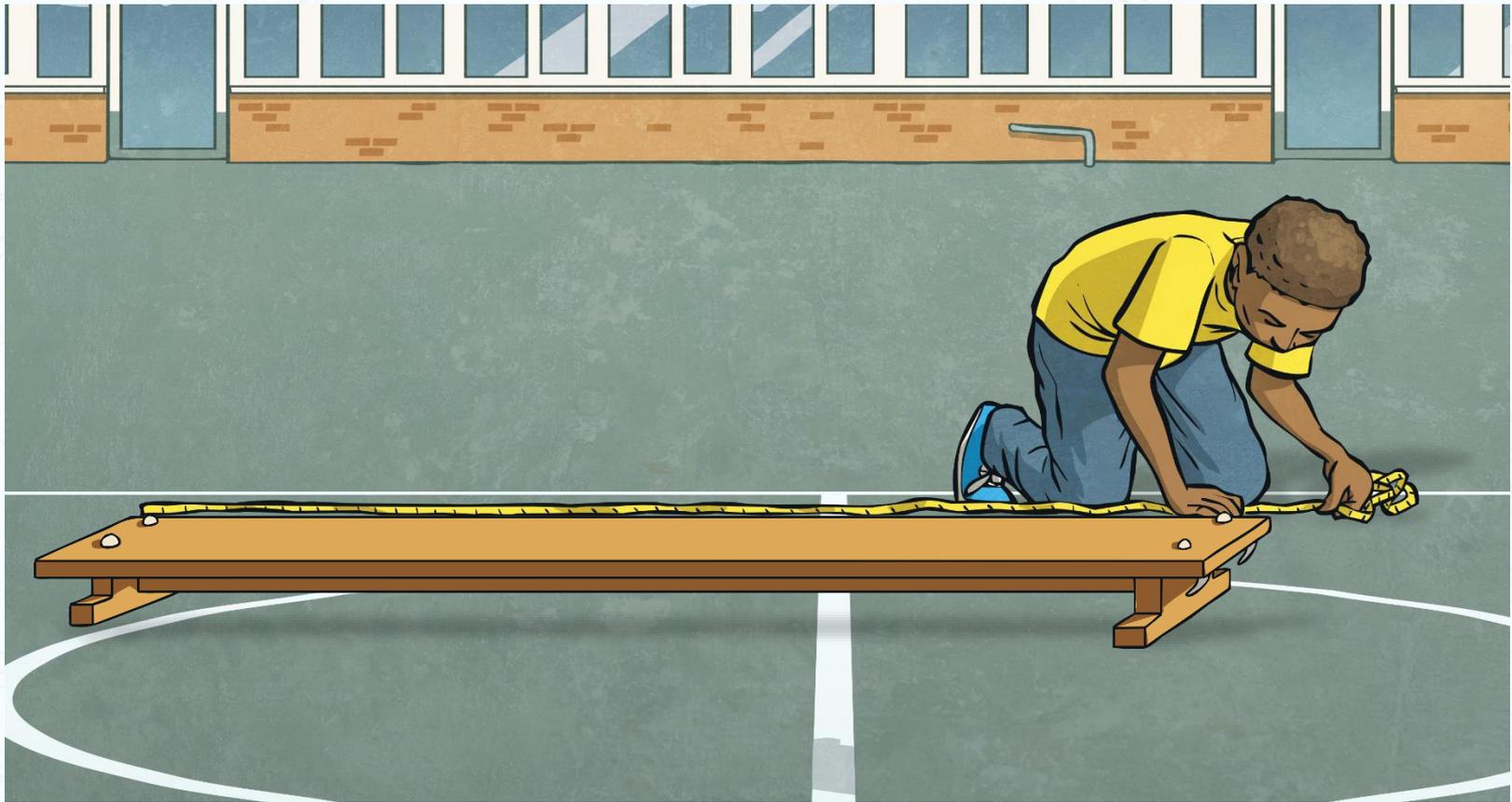
If the object doesn't measure an exact number of metres, then after the metre, we can continue to count in centimetres.

We could use a tape measure or a metre ruler to measure in metres and centimetres.

Measuring in Centimetres and Millimetres

Whole Class

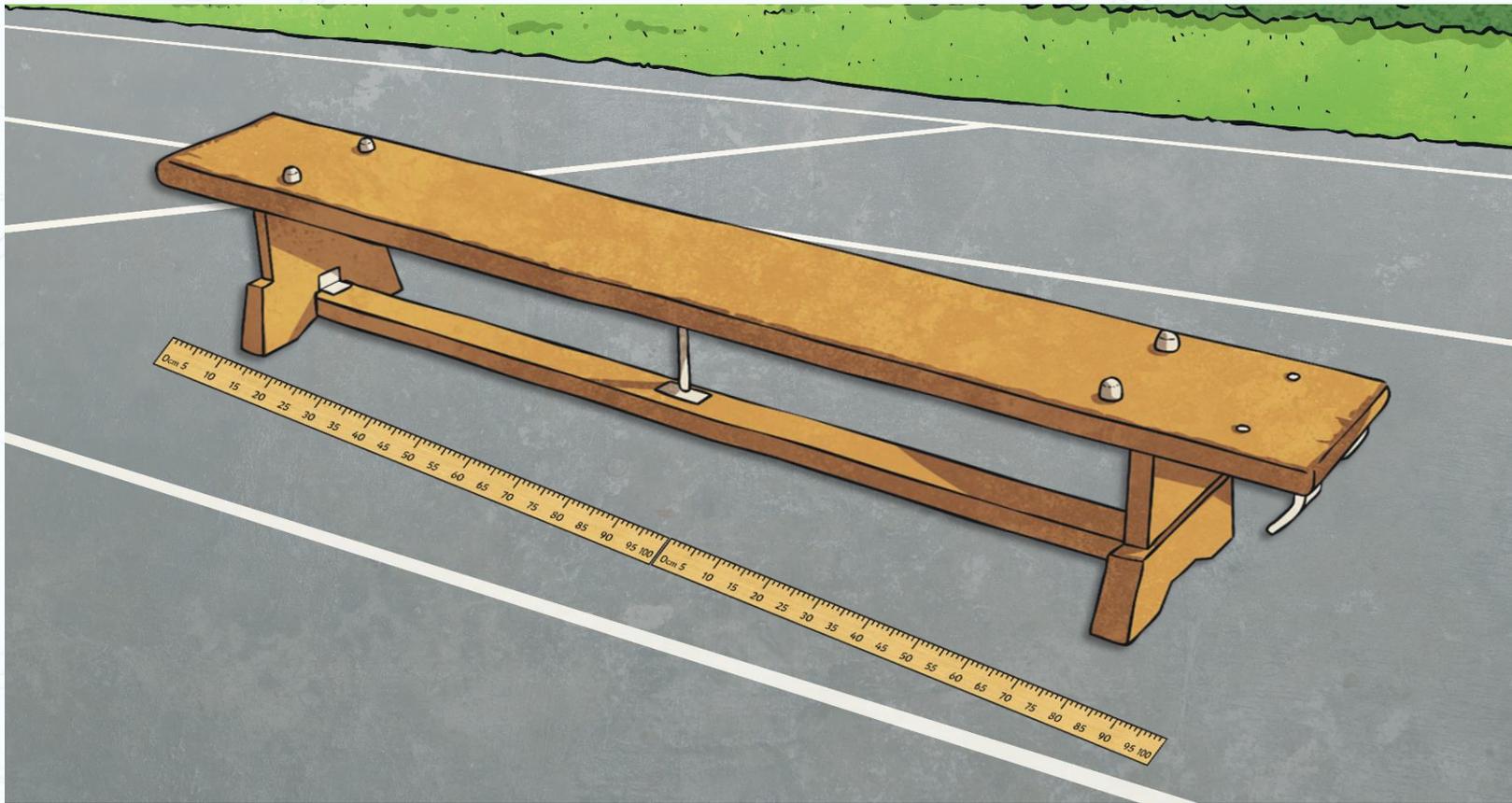
When using a tape measure, you measure the whole metres first, then continue to measure in centimetres.



Measuring in Metres and Centimetres

Whole Class

When using a metre ruler, measure out metres, then count the extra centimetres.



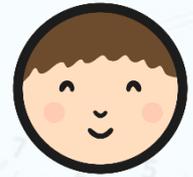
Measuring in Metres and Centimetres



With your partner, choose 3 objects to measure in metres and centimetres.
Ask another pair to check your measurements.



Measuring in Mixed Units



Use your measuring mastery to complete these activity sheets.
Make sure to measure in whole centimetres and millimetres.

Measuring in Mixed Units

I can use mixed units to measure and record length.

1) Use your ruler to measure these lines in centimetres and millimetres:

a) _____

b) _____

c) _____

d) _____

e) _____

2) Use a ruler to draw lines from the dot which measure the lengths shown:

a) 10cm 5mm

b) 14cm 5mm

c) 8cm 5mm

cm mm

cm mm

cm mm

cm mm

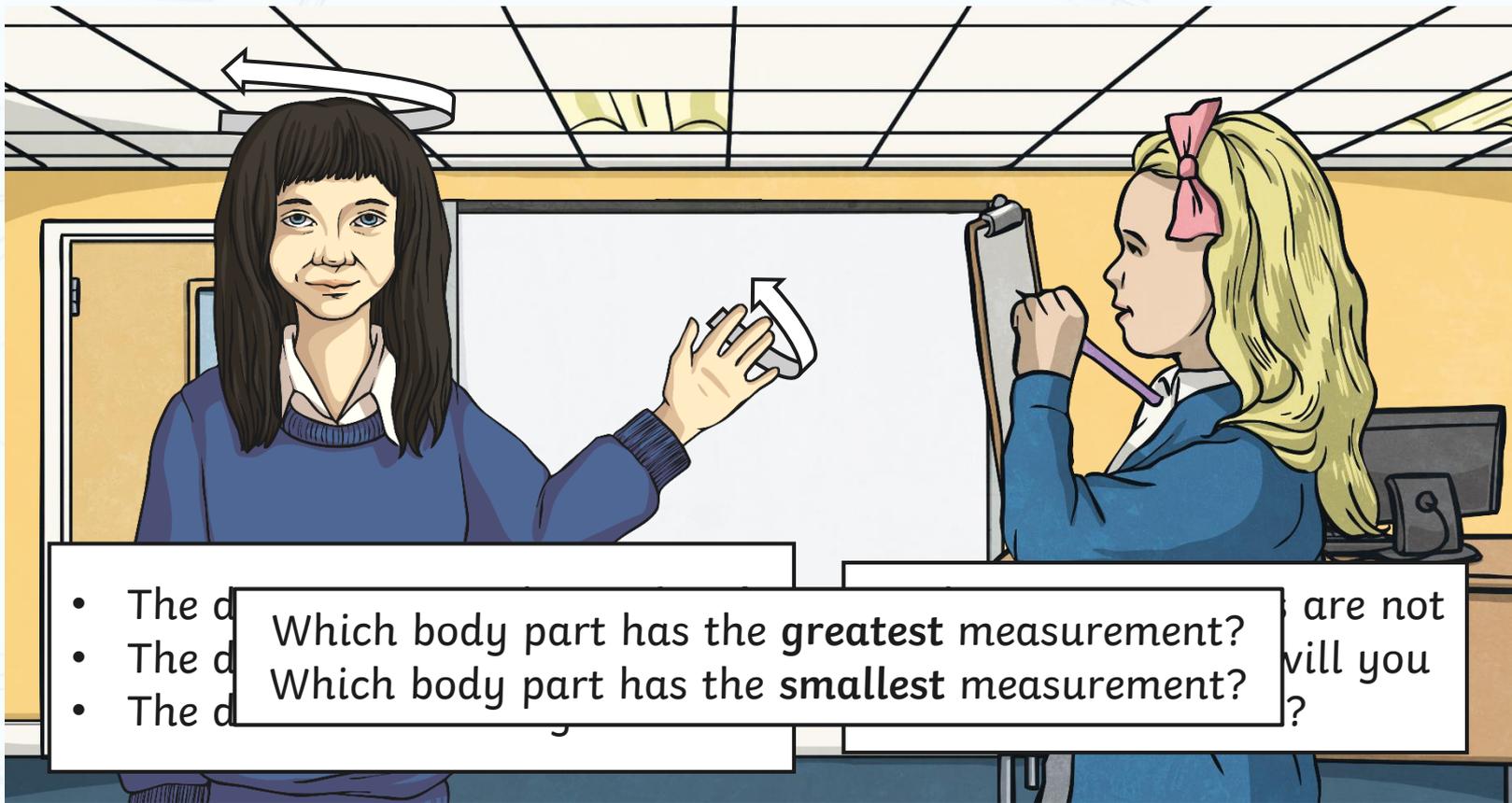
cm mm

Maths Year 3 | Measurement | Measure, Compare, Add and Subtract Units of Measurement | Lesson 4 of 8: Measuring in Mixed Units

Measuring Body Parts



You are going to work with a partner to measure these body parts in centimetres and millimetres.



- The d
 - The d
 - The d
- Which body part has the **greatest** measurement?
- Which body part has the **smallest** measurement?
- are not
will you
?

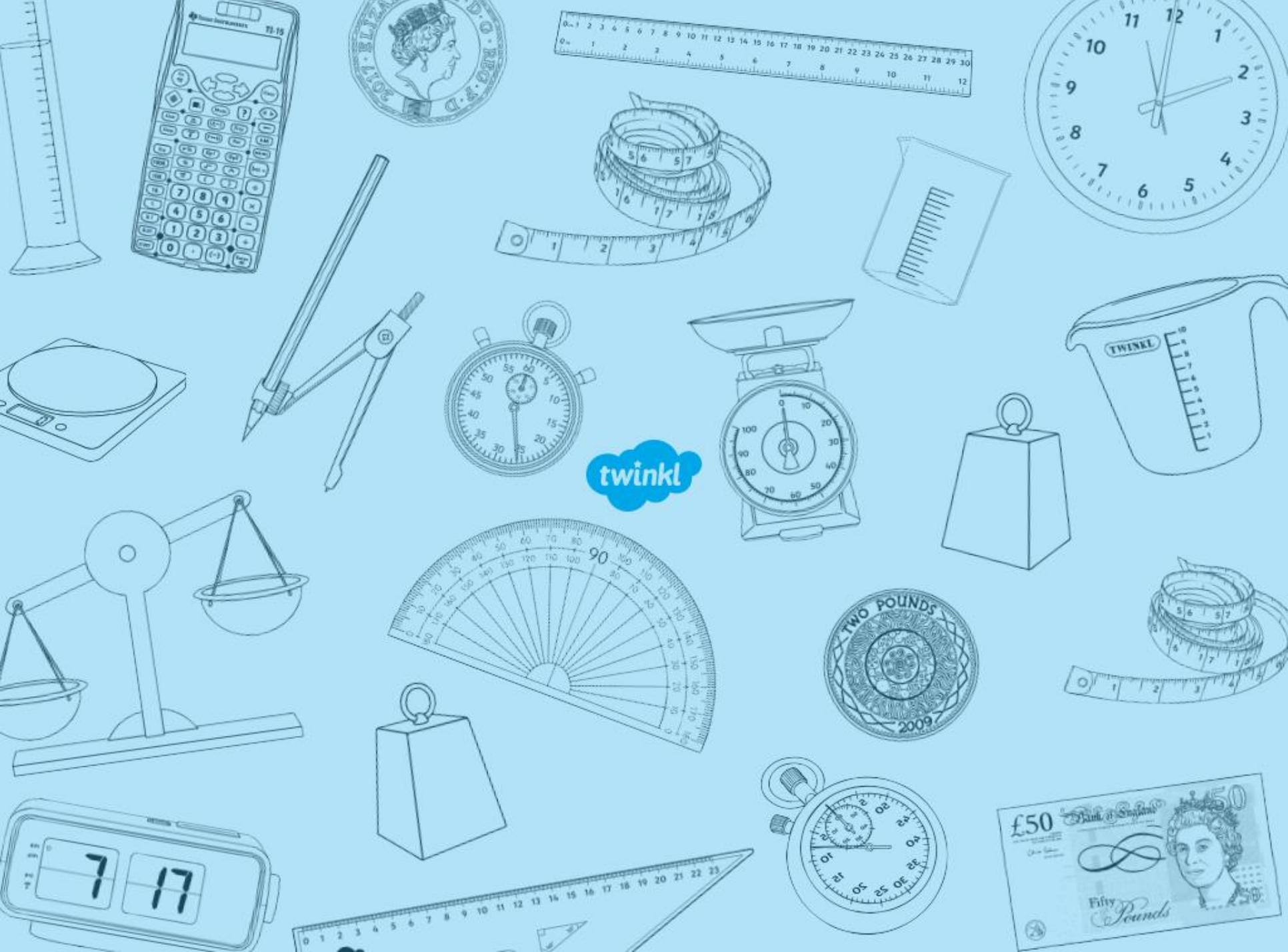
Aim



- I can use mixed units to measure and record length.

Success Criteria

- I can measure in centimetres and millimetres.
- I can measure and record length in metres and centimetres.



twinkl