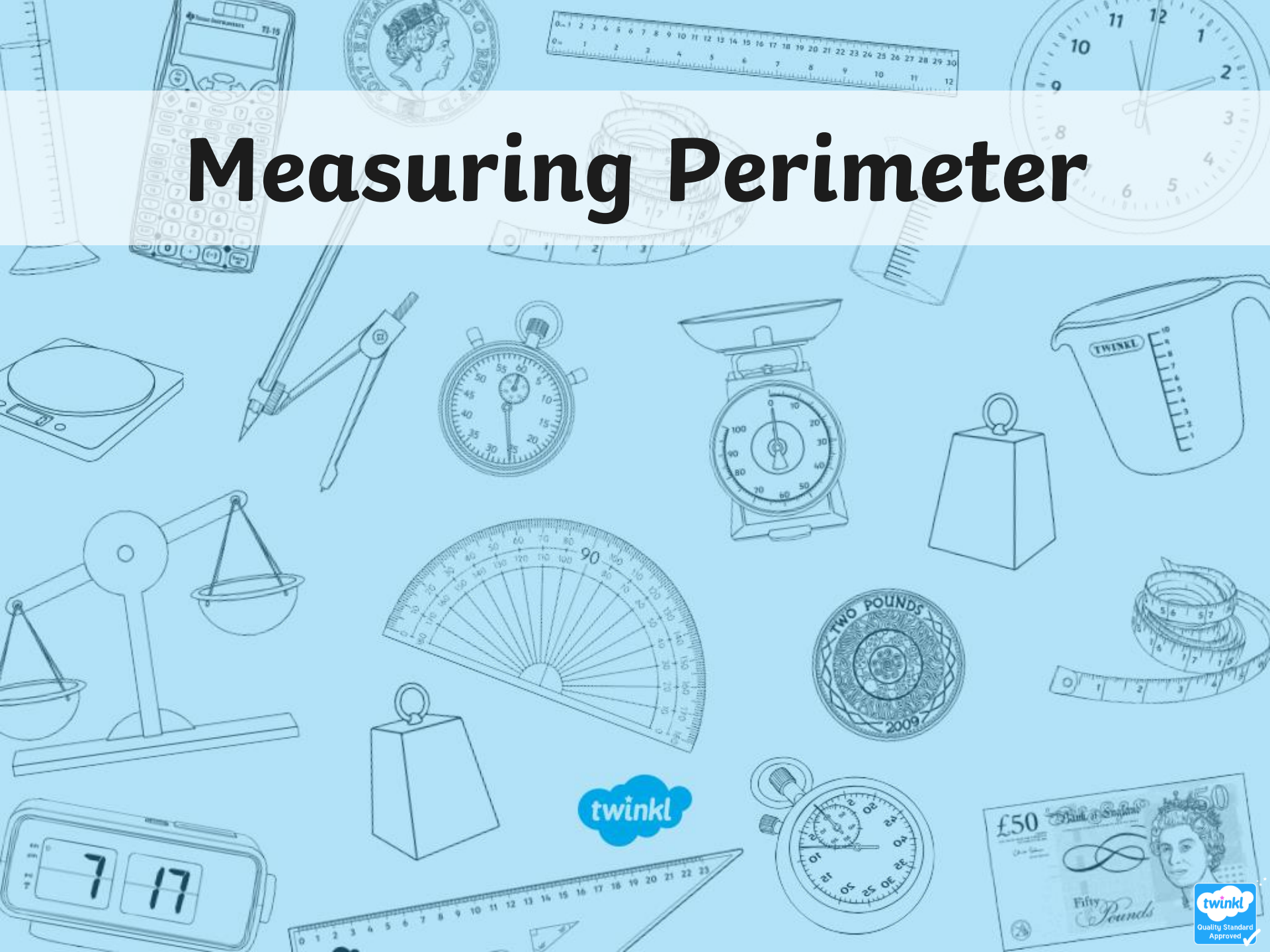




Maths

Measurement

Measuring Perimeter



Aim

- I can calculate the perimeter of a shape in centimetres.

Success Criteria

- I can measure the length of sides of rectangles and squares.
- I can add the measurements of sides together to calculate perimeter.

Centimetre Sort



Work with a partner.

Use a ruler to find objects to fit in each part of the Carroll diagram.

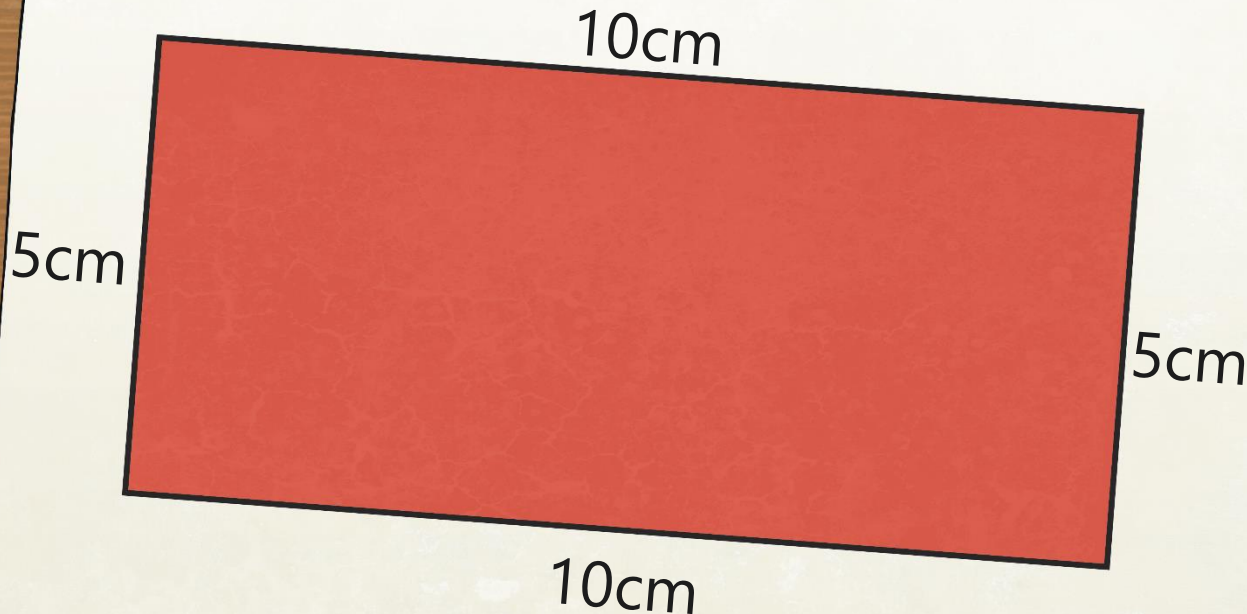


Calculating Perimeter



Perimeter is the total distance around the edge of a figure or shape.

Here are the measurements of a rectangle:

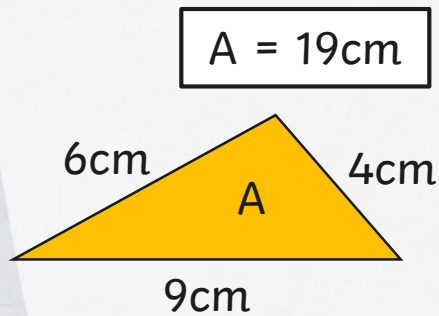


$$10\text{cm} + 5\text{cm} + 10\text{cm} + 5\text{cm} = 30\text{cm}$$

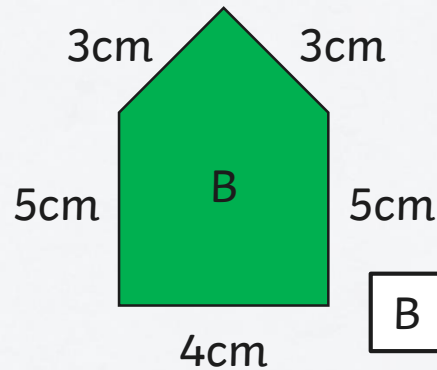
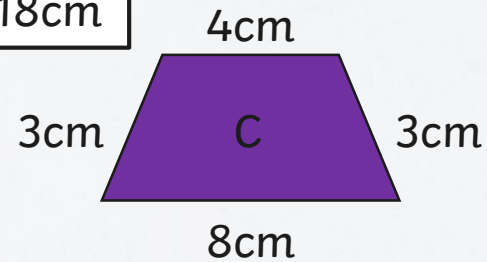
Calculating Perimeter



Calculate the perimeter of these shapes:



$C = 18\text{cm}$



$B = 20\text{cm}$

Calculating Perimeter

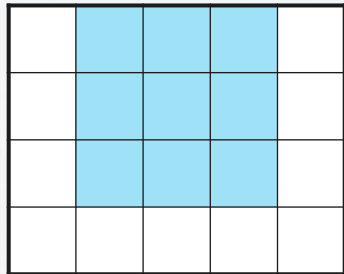


Calculate the perimeter of these shapes:

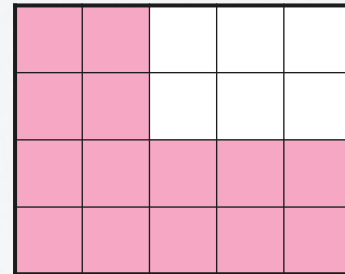
1cm



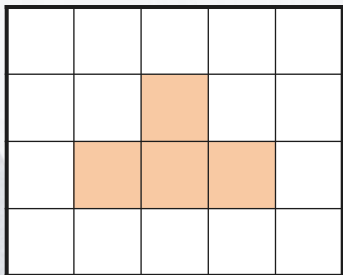
1cm



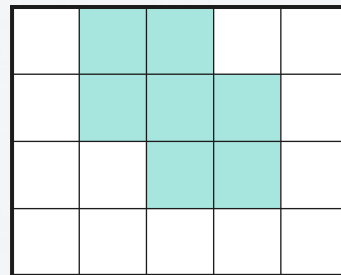
perimeter = 12cm



perimeter = 18cm



perimeter = 10cm

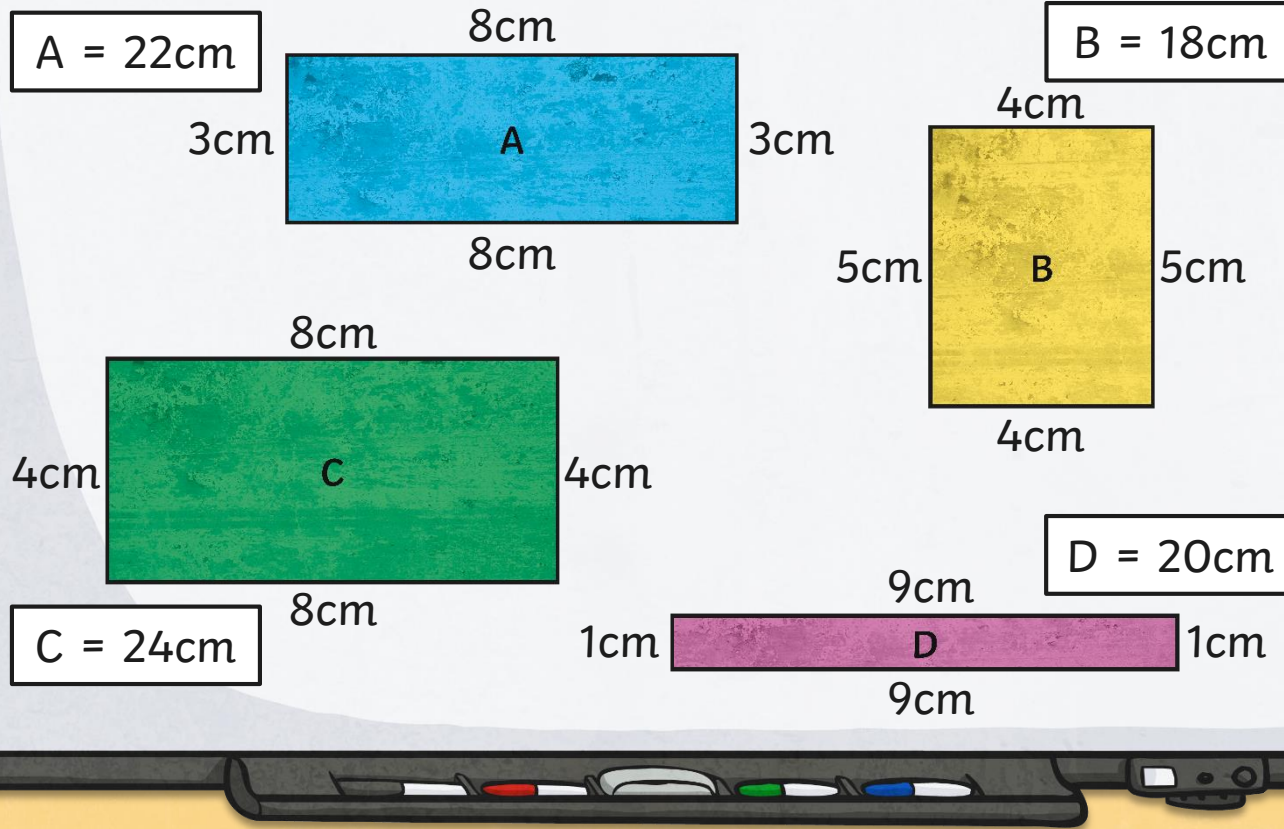


perimeter = 12cm

Calculating Perimeter



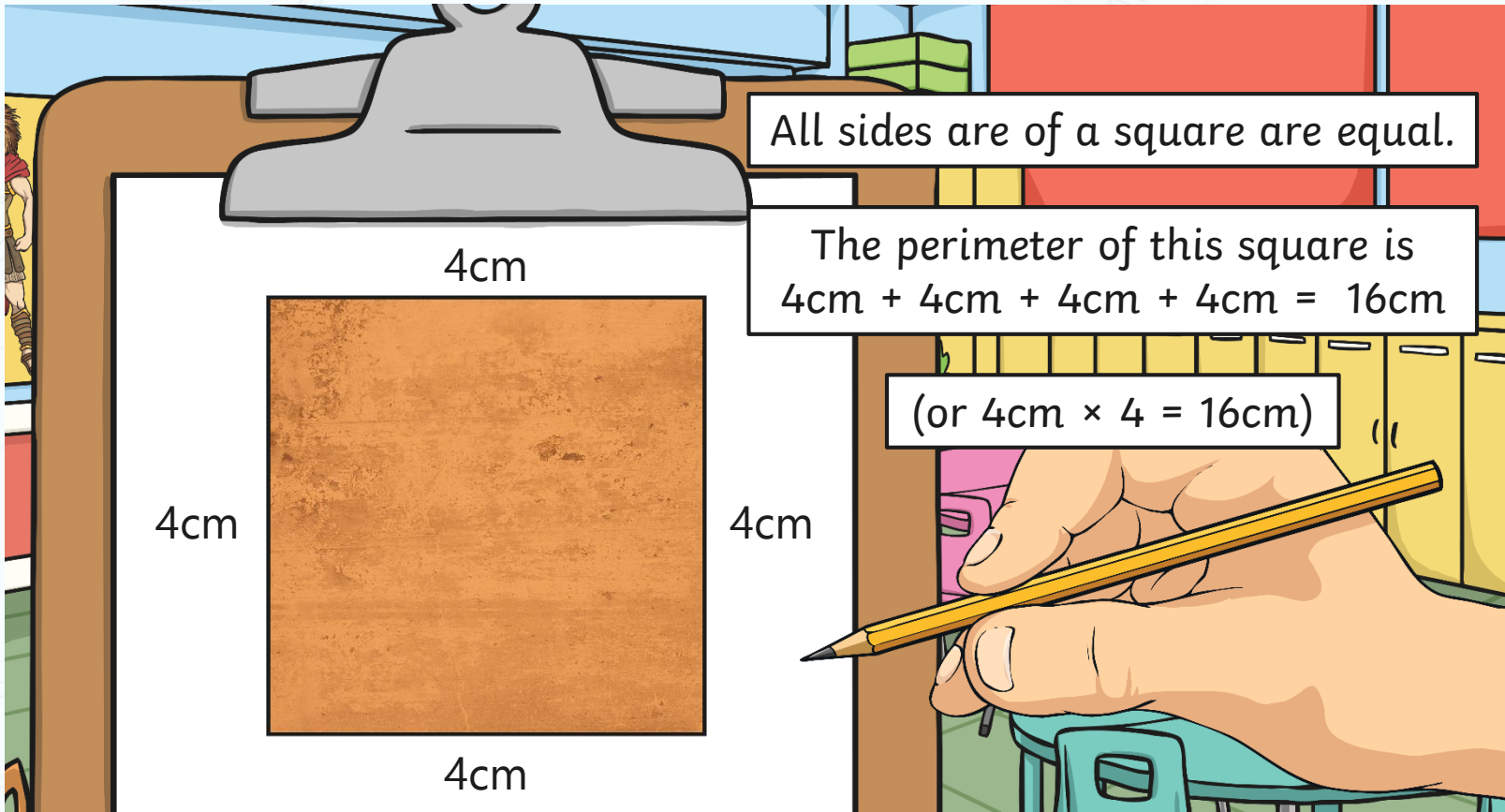
Calculate the perimeter of these rectangles:



Squares and Rectangles



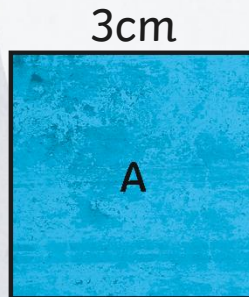
This shape is a square.
We know that one of its sides is 4cm.



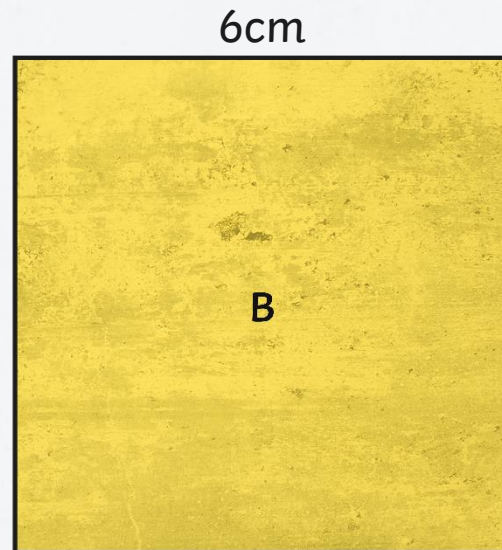
Squares and Rectangles



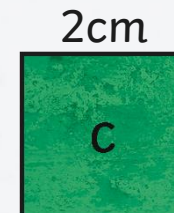
Calculate the perimeter of these squares:



$$A = 12\text{cm}$$



$$B = 24\text{cm}$$

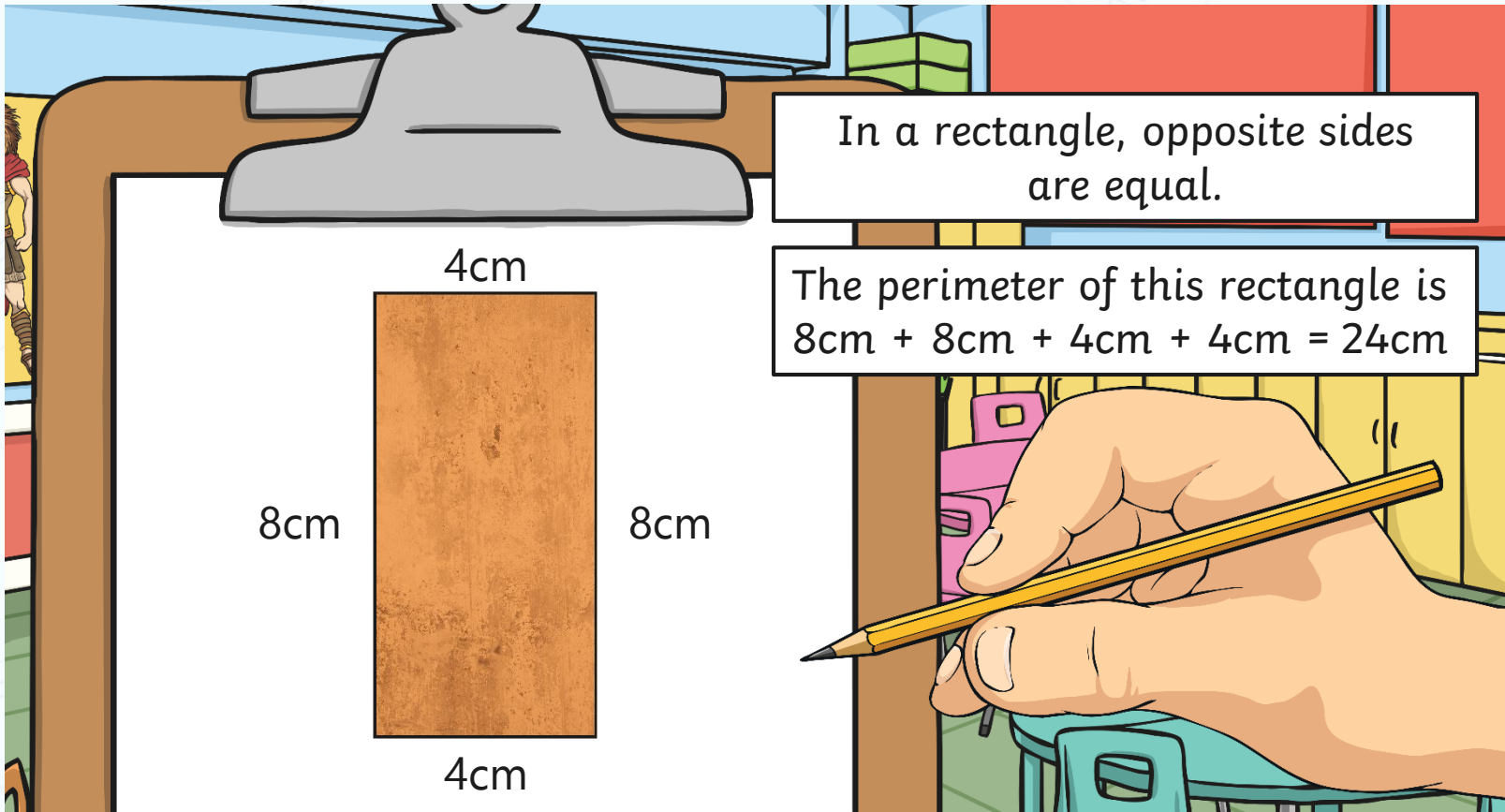


$$C = 8\text{cm}$$

Squares and Rectangles



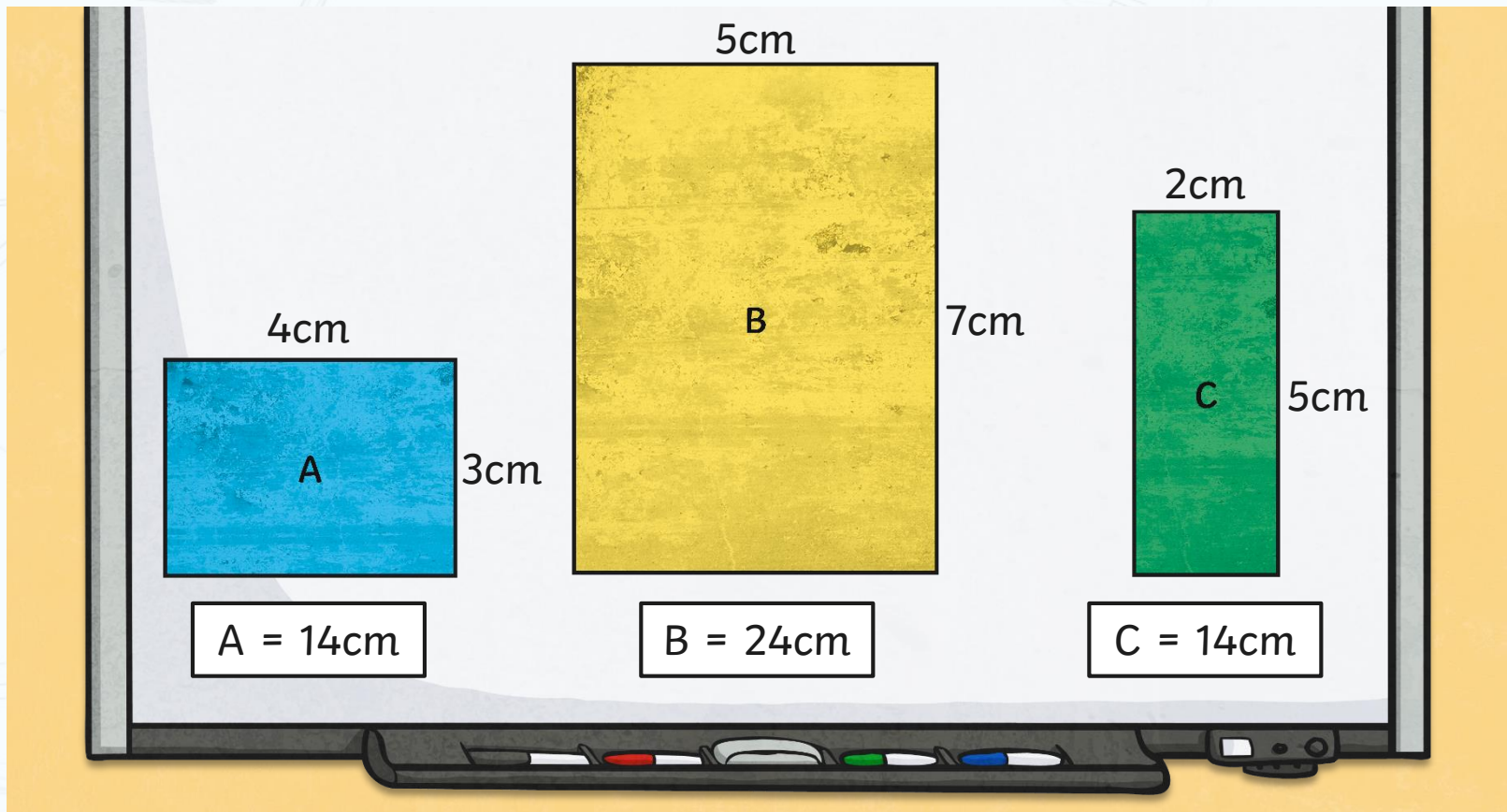
This shape is a rectangle.
We know that one of its sides is 4cm and the other is 8cm.



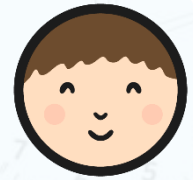
Squares and Rectangles



Calculate the perimeter of these rectangles:



Measuring Perimeter



Use your measuring mastery to complete these activity sheets:

The image displays five overlapping activity sheets for measuring perimeter. Each sheet features a star icon and a 'twinkl planit' logo. The sheets contain various geometric shapes (rectangles, squares) with missing side lengths, measurement tools (ruler, hand), and instructions for calculating perimeter. The sheets are branded with 'twinkl planit' and 'Maths Year 3 Measuring Perimeter Lesson 1 of 2 Measuring Perimeter'.

Sheet 1 (leftmost):

- 2) Calculate the perimeter of the shape.
- 1) Measure and label the sides of the shape.
- a) perimeter _____

Sheet 2:

- 2) Calculate the perimeter of the shape.
- 1) Measure and label the sides of the shape.
- a) perimeter _____

Sheet 3:

- 2) Calculate the perimeter of the shape.
- 1) Measure and label the sides of the shape.
- a) perimeter _____

Sheet 4:

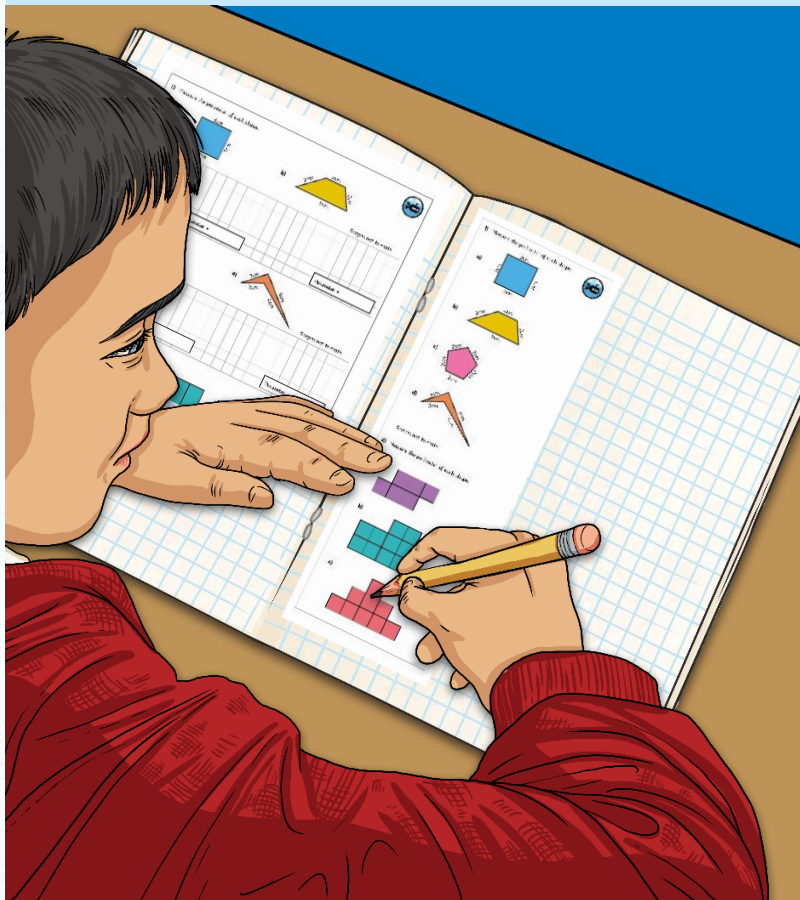
- 2) Work out the length of the missing sides.
- 1) Measure and label the sides of the shape.
- a) perimeter _____

Sheet 5 (rightmost):

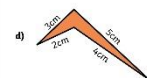
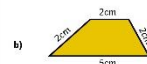
- Measuring Perimeter
- I can calculate the perimeter of a shape in centimetres.
- 1) Measure and label the sides and calculate the perimeter of these shapes:
- a) perimeter _____ cm
- b) perimeter _____ cm
- c) perimeter _____ cm
- d) perimeter _____ cm

Diving into Mastery

Dive in by completing your own activity!

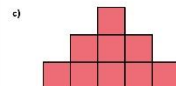
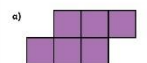


1) Measure the perimeter of each shape.

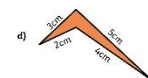
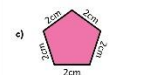
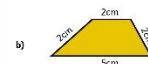
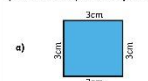


Shapes not to scale.

2) Measure the perimeter of each shape.

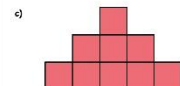
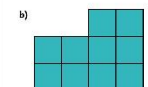


1) Measure the perimeter of each shape.



Shapes not to scale.

2) Measure the perimeter of each shape.

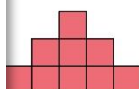


Shapes not to scale.

Perimeter =

Shapes not to scale.

Perimeter =



Perimeter =

Spot the Odd One Out



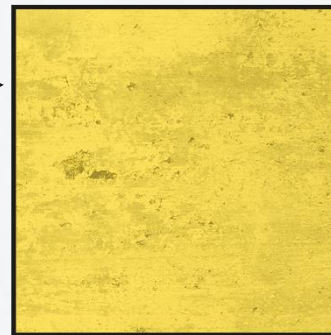
All these shapes have the same perimeter, except for one.
Find the odd one out:

All the other shapes have a perimeter of 14cm. This one has a perimeter of 16cm.

Answer:
The odd one out is....

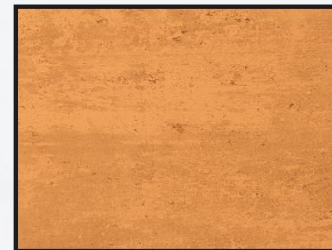
$4\frac{1}{2}$ cm

4cm



4cm

3cm



Aim



- I can calculate the perimeter of a shape in centimetres.

Success Criteria

- I can measure the length of sides of rectangles and squares.
- I can add the measurements of sides together to calculate perimeter.

