



# 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.

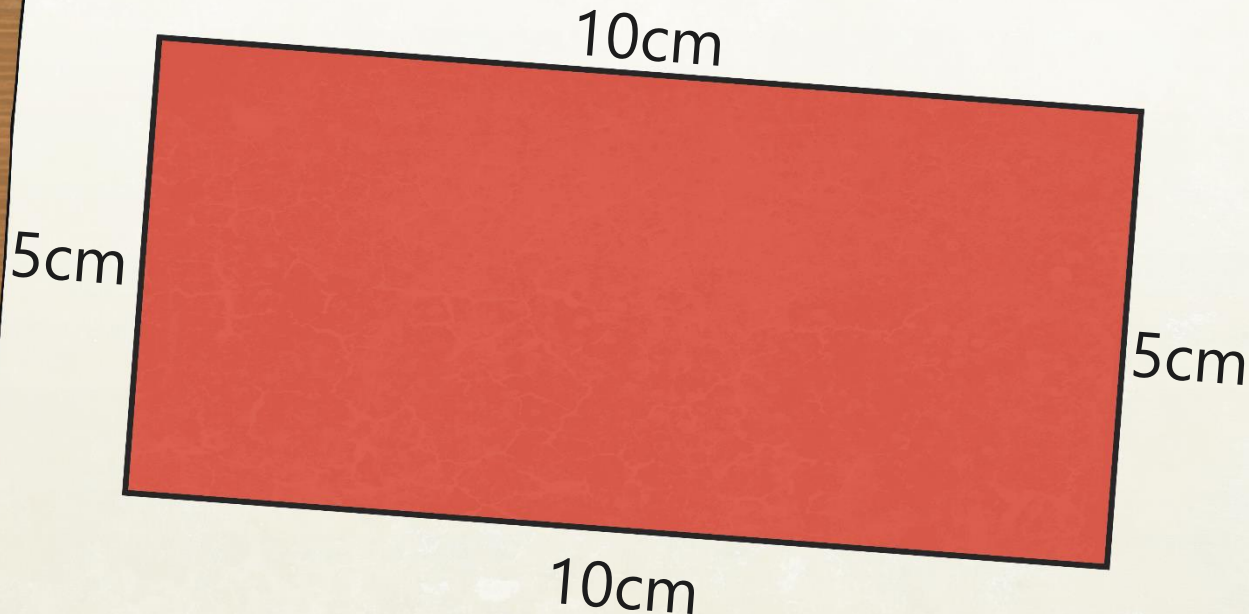
	Longer than 10cm	Not longer than 10cm
Higher than 15cm		
Not higher than 15cm		

# Calculating Perimeter



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

Here are the measurements of a rectangle:

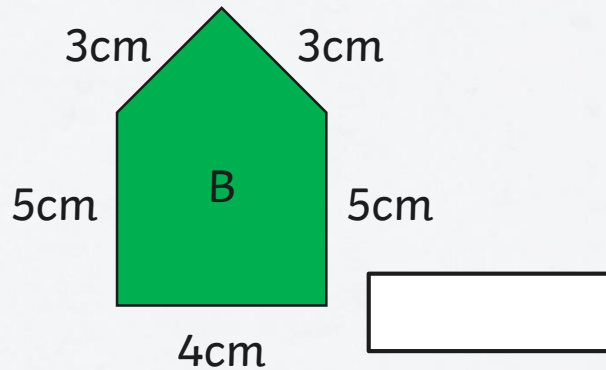
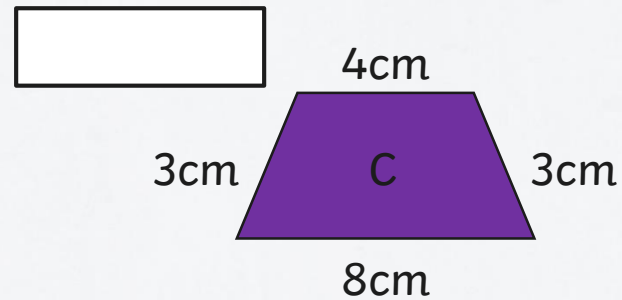
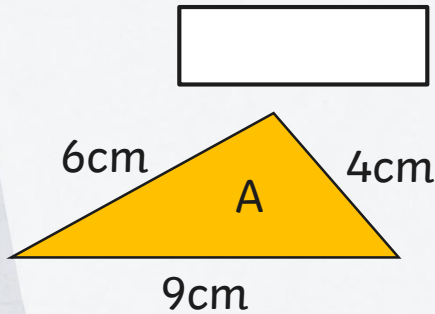


$$10\text{cm} + 5\text{cm} + 10\text{cm} + 5\text{cm} = 30\text{cm}$$

# Calculating Perimeter



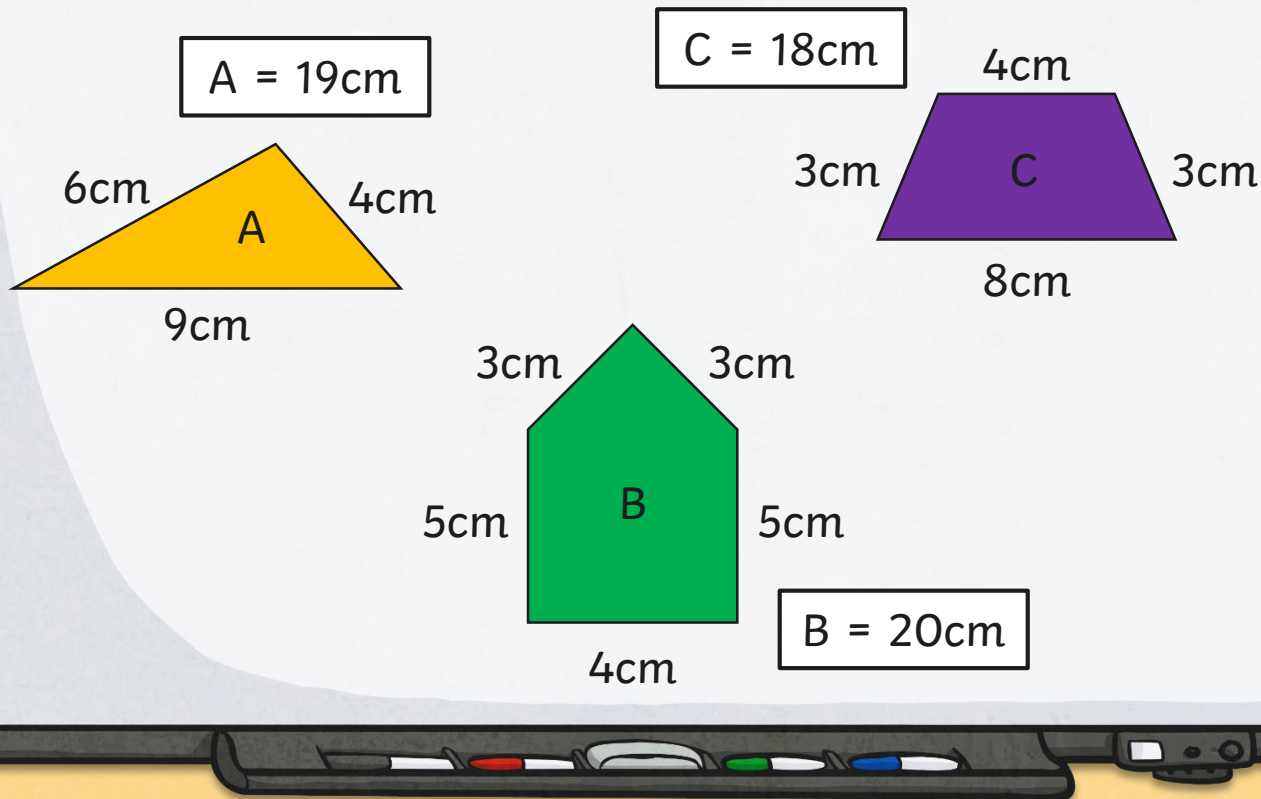
Calculate the perimeter of these shapes:



# Calculating Perimeter



Calculate the perimeter of these shapes:



# Calculating Perimeter

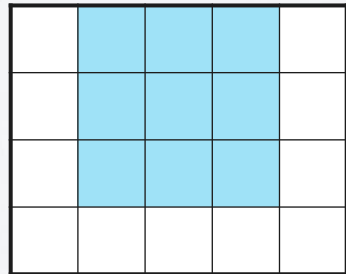


Calculate the perimeter of these shapes:

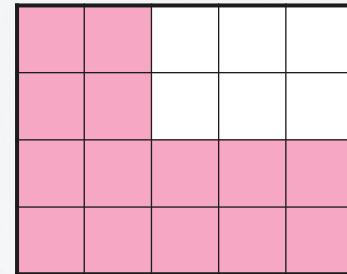
1cm



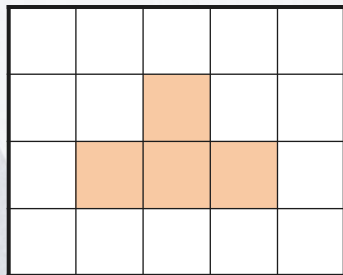
1cm



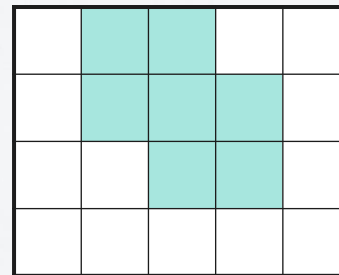
perimeter =



perimeter =



perimeter =



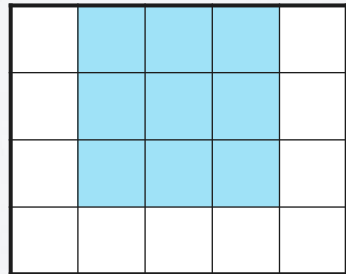
perimeter =

# Calculating Perimeter

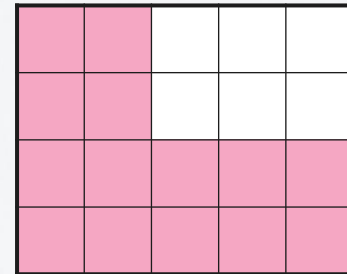


Calculate the perimeter of these shapes:

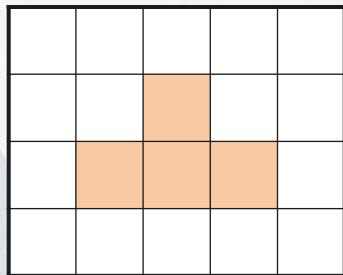
1cm



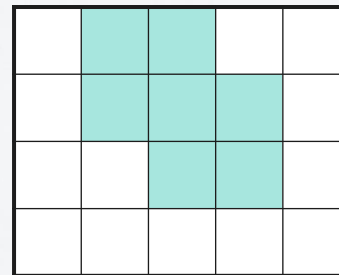
perimeter = 12cm



perimeter = 18cm



perimeter = 10cm



perimeter = 12cm

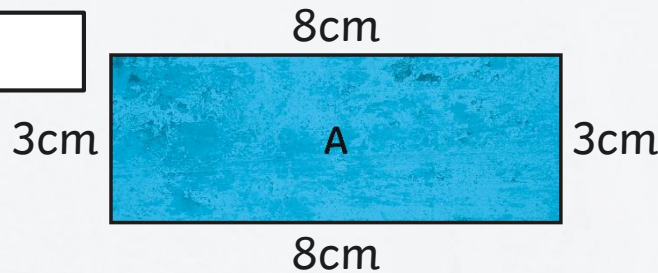


# Calculating Perimeter

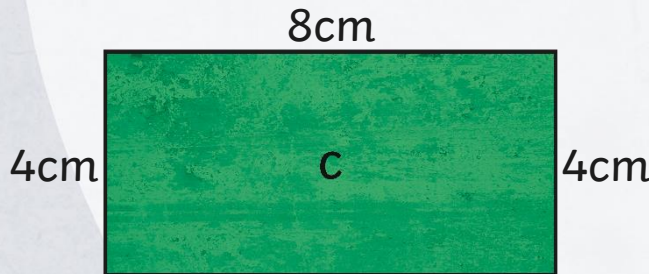
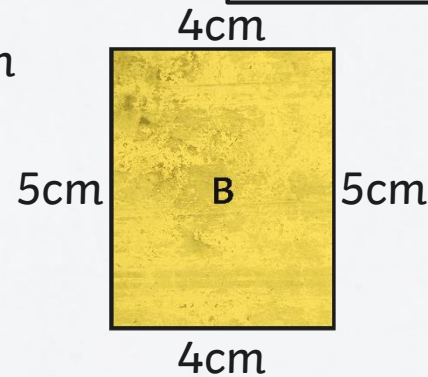


Calculate the perimeter of these rectangles:

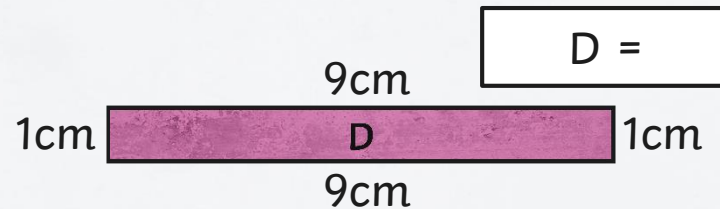
A =



B =



C =

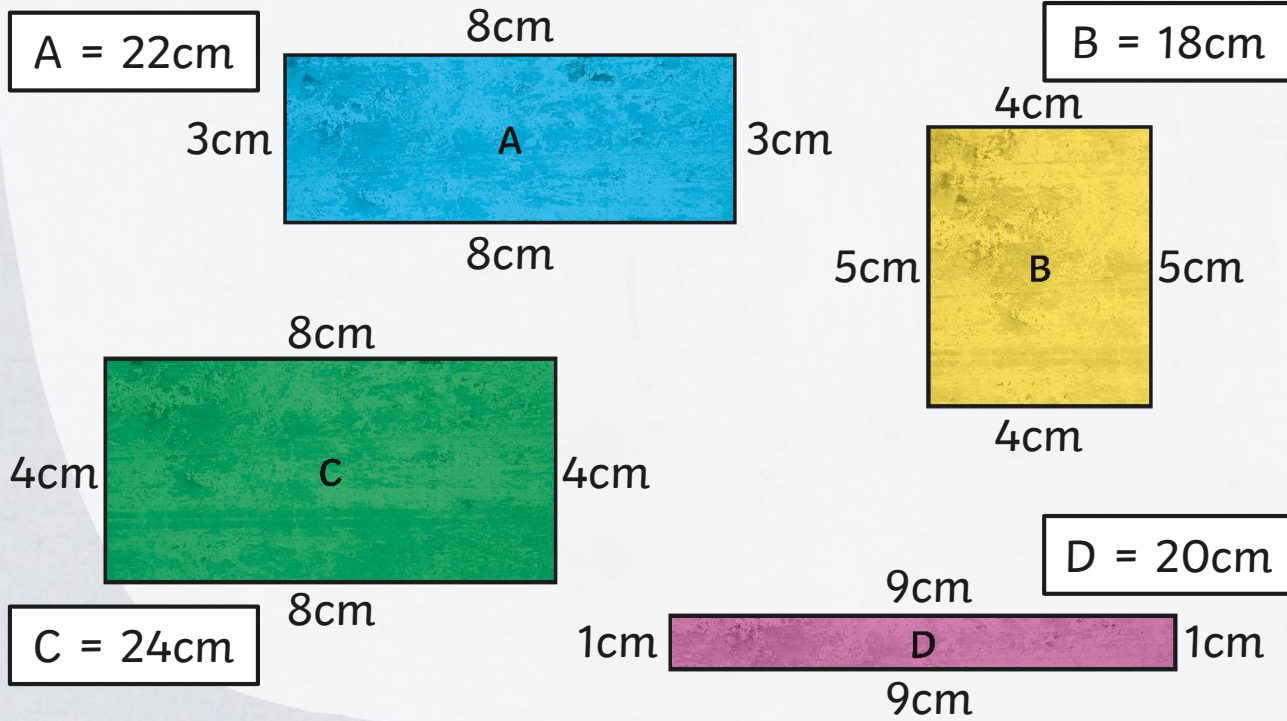


D =

# Calculating Perimeter



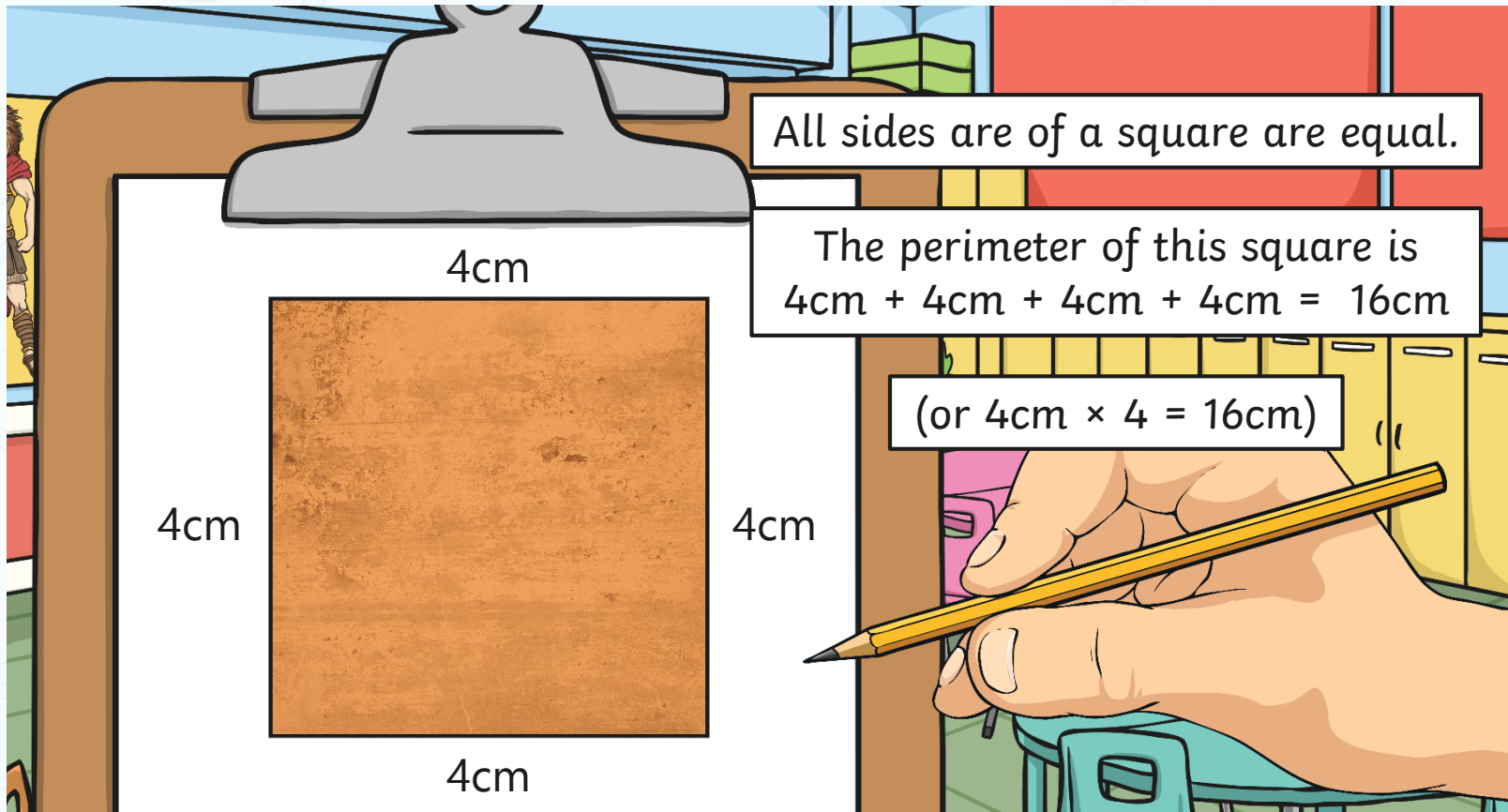
Calculate the perimeter of these rectangles:



# Squares and Rectangles



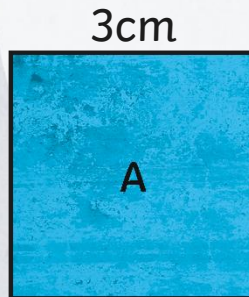
This shape is a square.  
We know that one of its sides is 4cm.



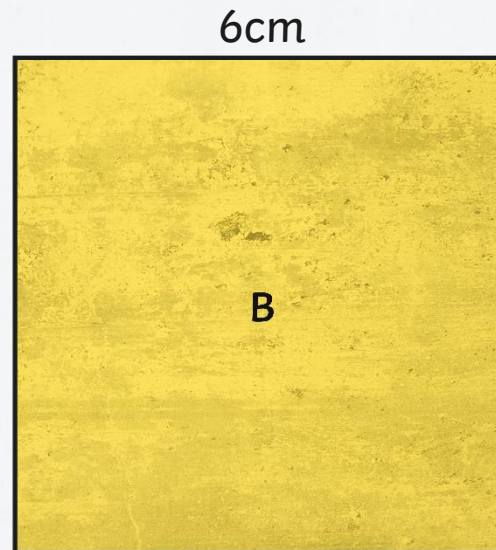
# Squares and Rectangles



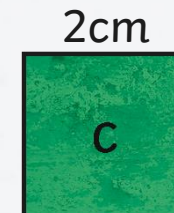
Calculate the perimeter of these squares:



A =



B =

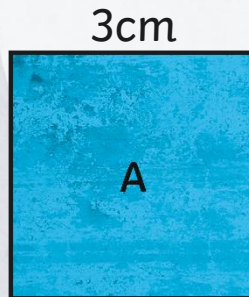


C =

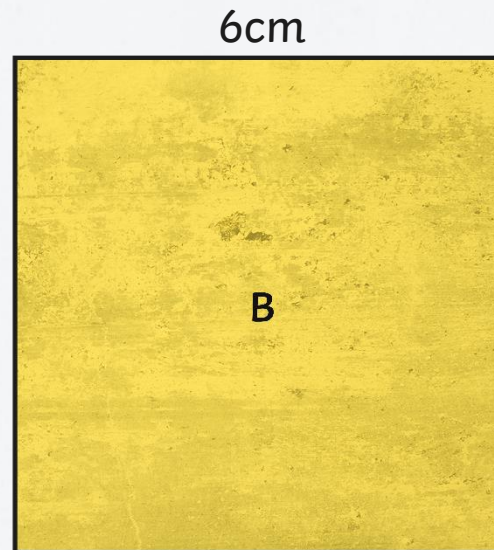
# Squares and Rectangles



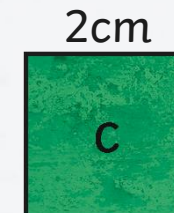
Calculate the perimeter of these squares:



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



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

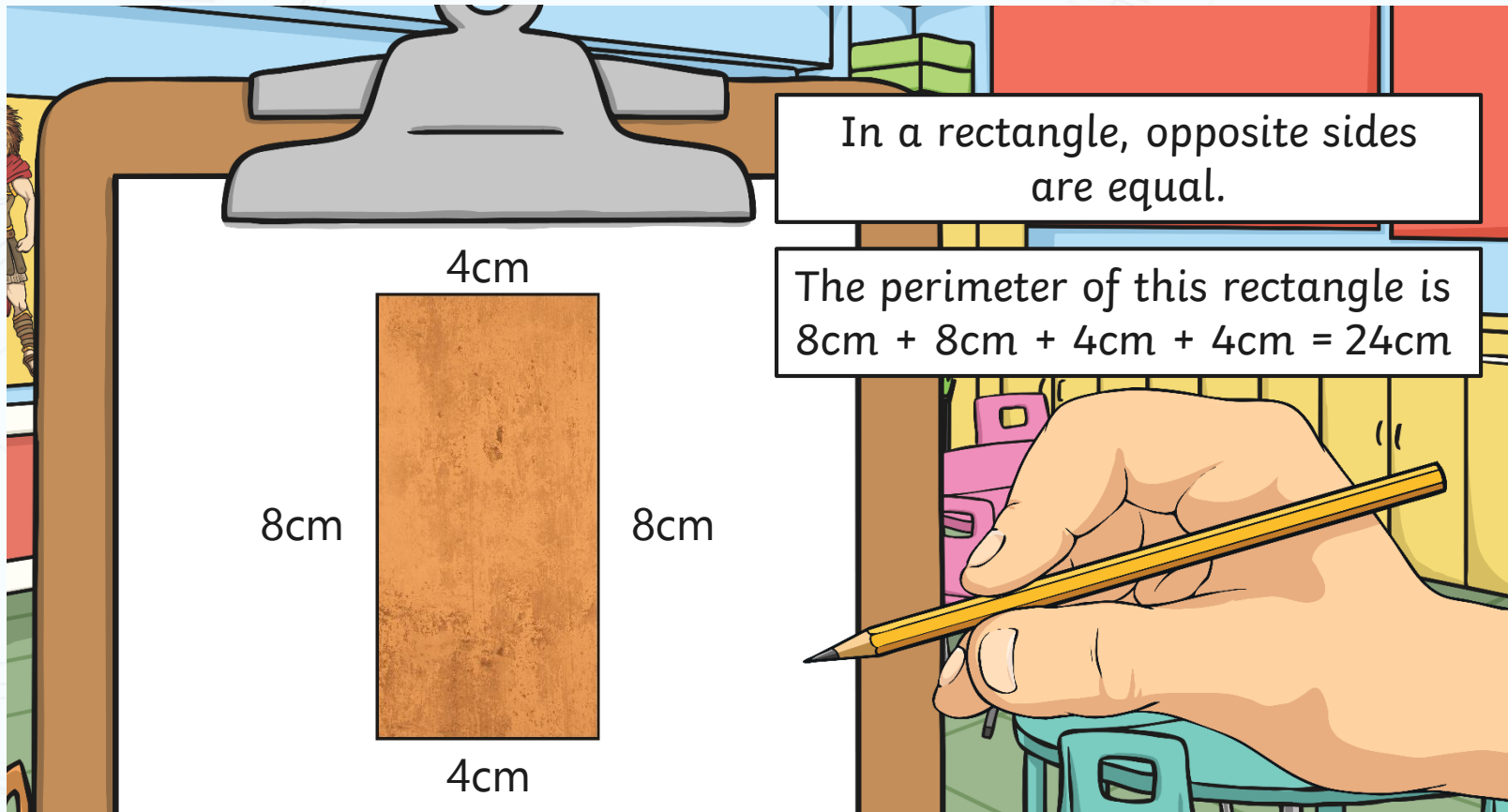


$$C = 8\text{cm}$$

# Squares and Rectangles



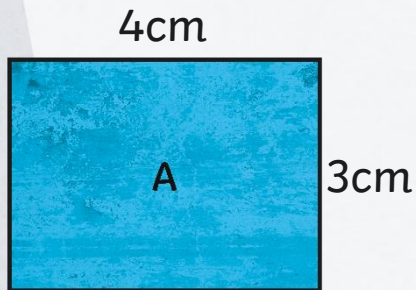
This shape is a rectangle.  
We know that one of its sides is 4cm and the other is 8cm.



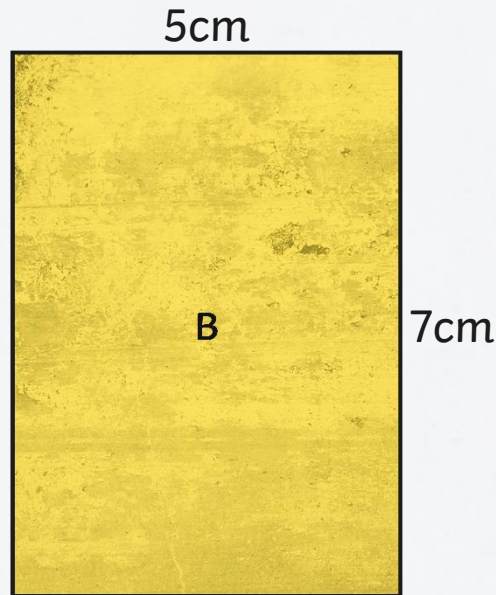
# Squares and Rectangles



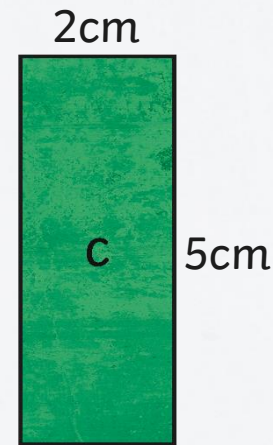
Calculate the perimeter of these rectangles:



$$A = 14\text{cm}$$

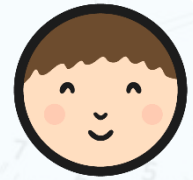


$$B = 24\text{cm}$$



$$C = 14\text{cm}$$

# Measuring Perimeter



Use your measuring mastery to complete these activity sheets:

The collage displays six activity sheets for measuring perimeter, each featuring a Twinkl logo and a planit logo. The sheets are arranged in two rows of three. The top row shows the first three sheets, and the bottom row shows the last three sheets. The sheets contain various exercises, including calculating the perimeter of rectangles and squares, measuring the perimeter of irregular shapes, and using a ruler to measure the perimeter of a shape. The sheets are titled 'Measuring Perimeter' and 'Measuring Perimeter'.

2) Calculate the perimeter of the shape below.

1) Measure and label the sides of the shape below.

a) perimeter \_\_\_\_\_ cm

2) Calculate the perimeter of the shape below.

1) Measure and label the sides of the shape below.

a) perimeter \_\_\_\_\_ cm

2) Work out the length of the missing sides.

1) Measure and label the sides and calculate the perimeter of these shapes:

a) perimeter \_\_\_\_\_ cm

b) perimeter \_\_\_\_\_ cm

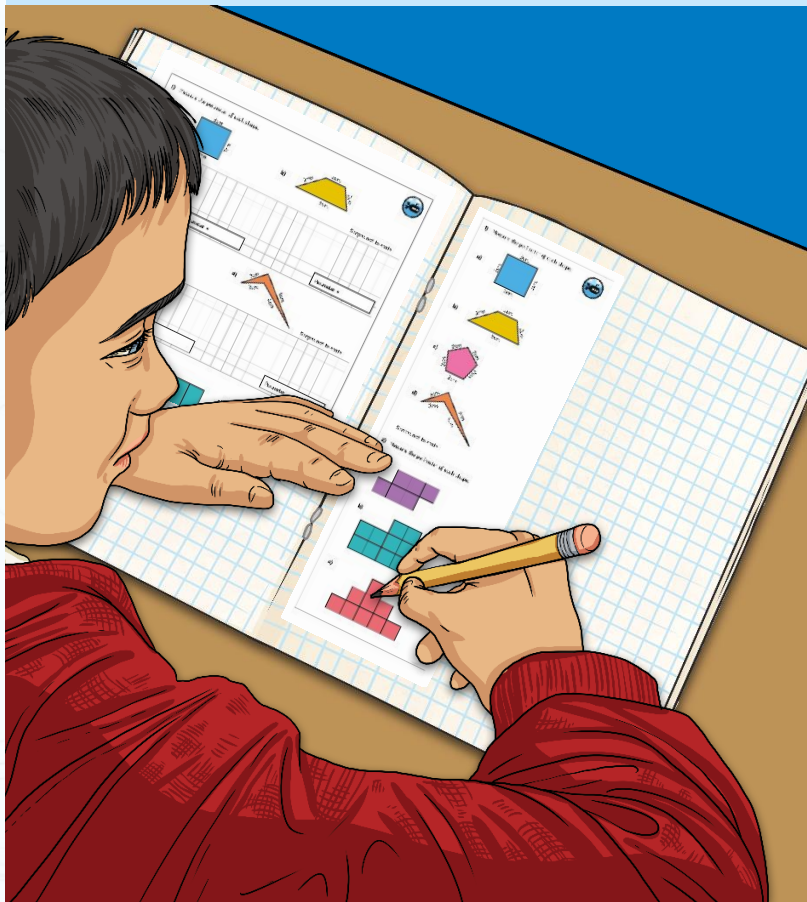
c) perimeter \_\_\_\_\_ cm

d) perimeter \_\_\_\_\_ cm

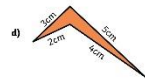
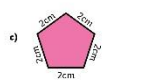
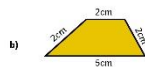
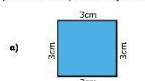


## Diving into Mastery

Dive in by completing your own activity!

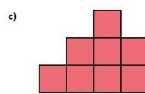
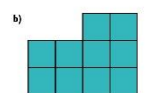


1) Measure the perimeter of each shape.

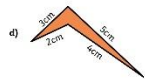
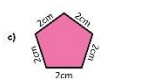
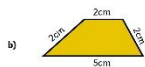
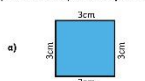


Shapes not to scale.

2) Measure the perimeter of each shape.

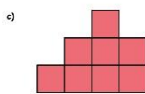
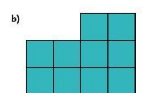
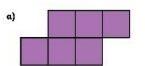


1) Measure the perimeter of each shape.



Shapes not to scale.

2) Measure the perimeter of each shape.

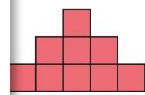


Shapes not to scale.

Perimeter =

Shapes not to scale.

Perimeter =

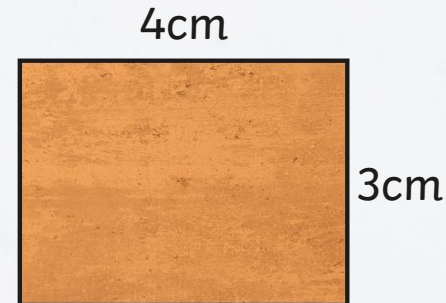
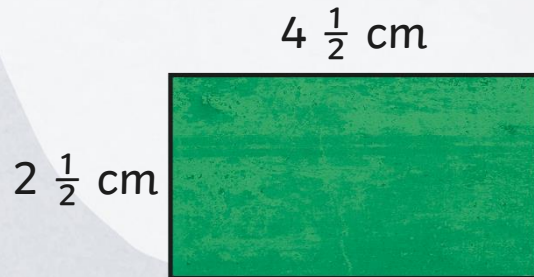
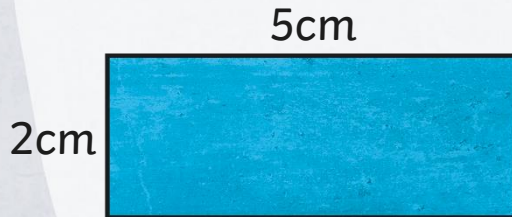


Perimeter =

# Spot the Odd One Out



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



# 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.

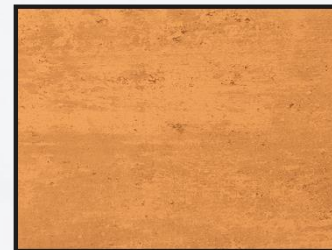
Answer:  
The odd one out is....

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

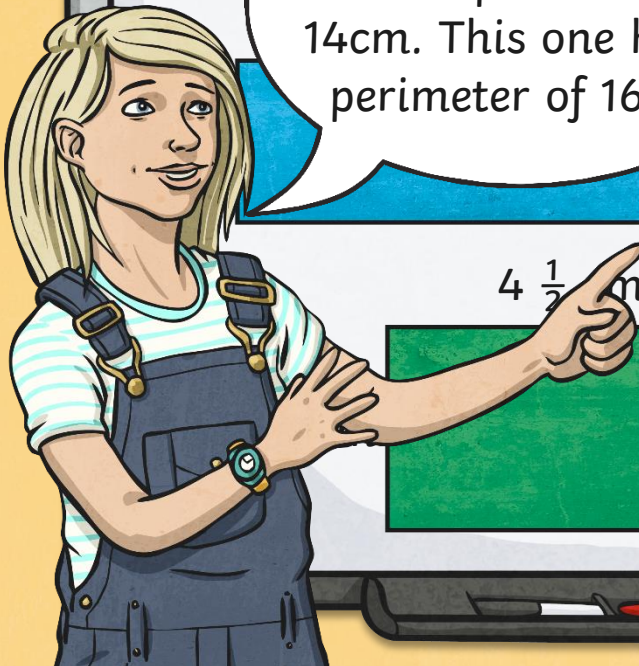
4cm



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.