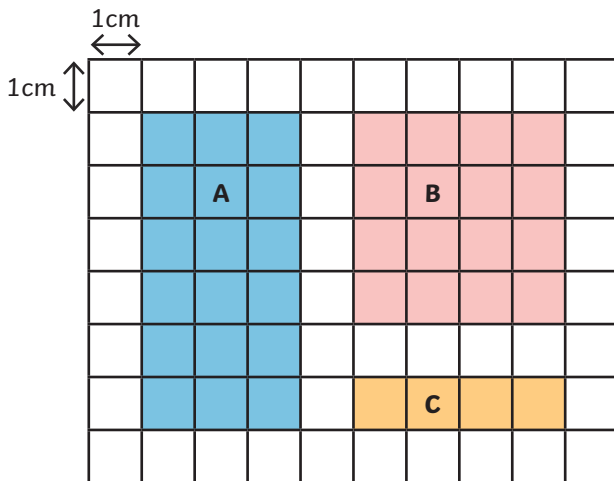


Perimeter on a Grid

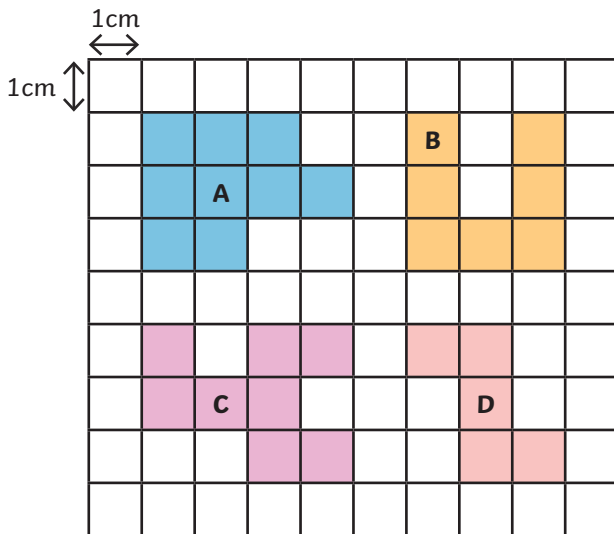
not to scale



- 1) Find the perimeter of each rectangle on the grid.



- 2)
a) Find the perimeter of each shape.
b) Order them from greatest to smallest.



- 3) Draw two different rectilinear shapes with a perimeter of 24cm on a centimetre-squared grid.

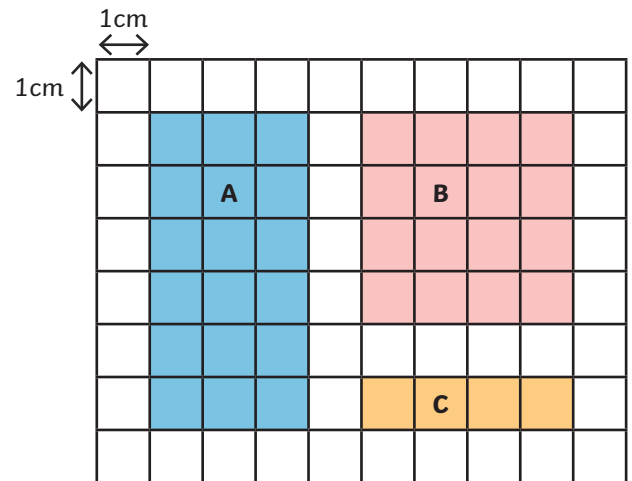


Perimeter on a Grid

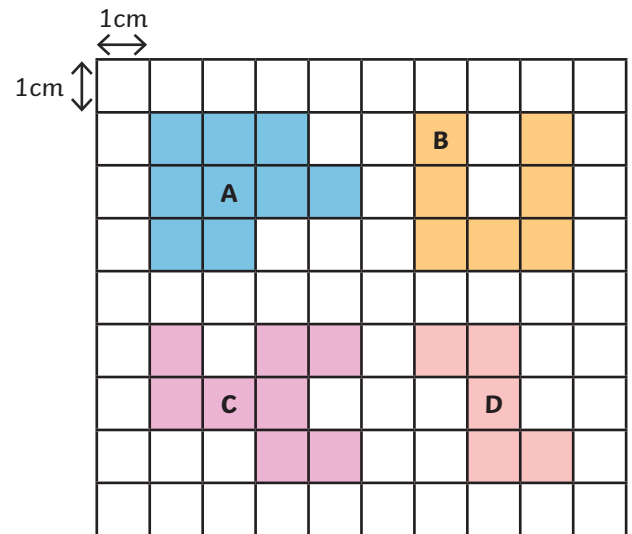
not to scale



- 1) Find the perimeter of each rectangle on the grid.



- 2)
a) Find the perimeter of each shape.
b) Order them from greatest to smallest.



- 3) Draw two different rectilinear shapes with a perimeter of 24cm on a centimetre-squared grid.

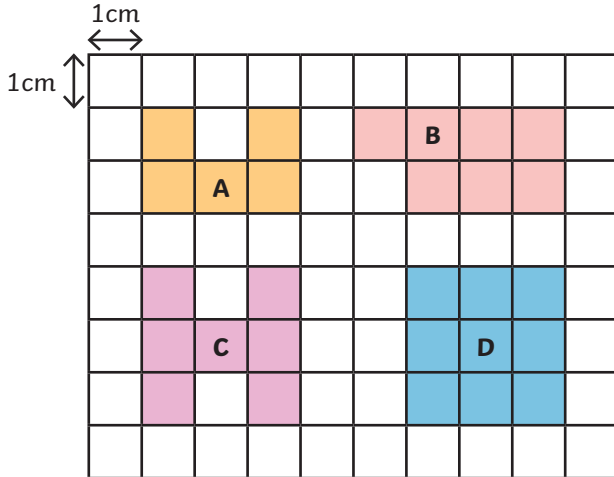


Perimeter on a Grid

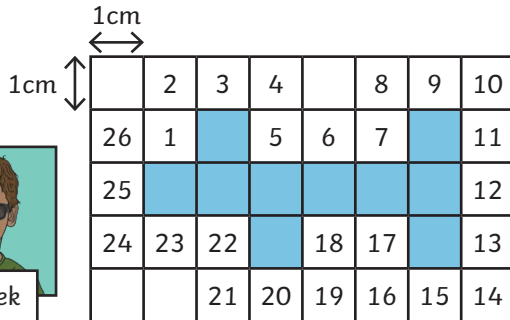
not to scale



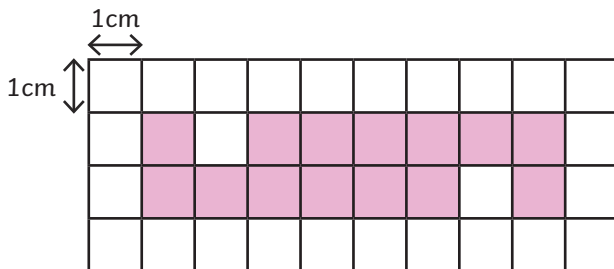
- 1) Which shape's perimeter is the odd one out? Explain why.



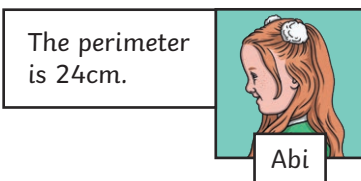
- 2) Bartek numbered the squares to find the perimeter of this shape. Explain why his method does not work.



- 3) Each child has calculated the perimeter of this shape. Whose answer is correct? Explain any errors.



The perimeter is 20cm.



The perimeter is 24cm.



The perimeter is 30cm.

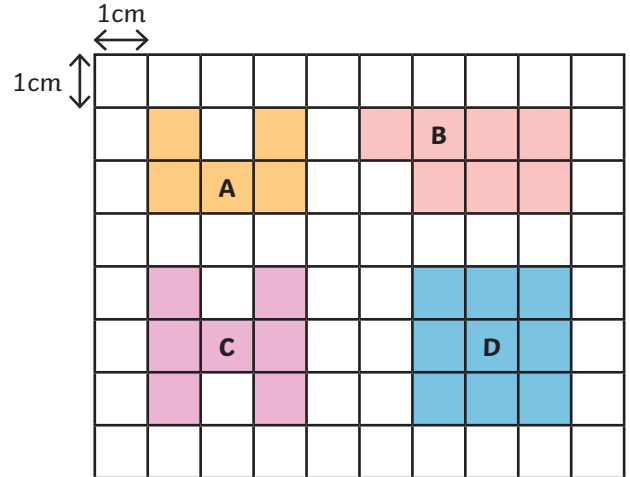


Perimeter on a Grid

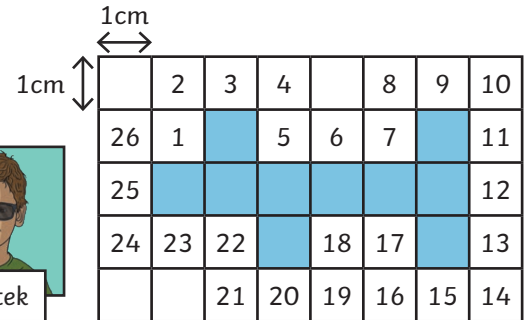
not to scale



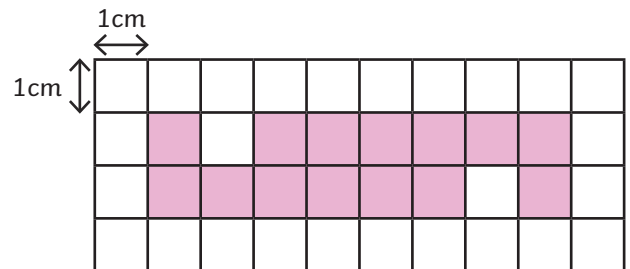
- 1) Which shape's perimeter is the odd one out? Explain why.



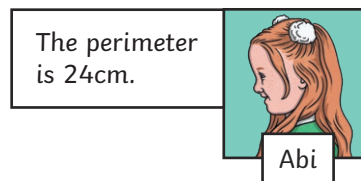
- 2) Bartek numbered the squares to find the perimeter of this shape. Explain why his method does not work.



- 3) Each child has calculated the perimeter of this shape. Whose answer is correct? Explain any errors.



The perimeter is 20cm.



The perimeter is 24cm.



The perimeter is 30cm.



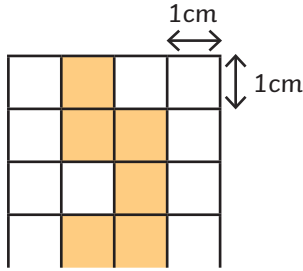
Perimeter on a Grid

not to scale

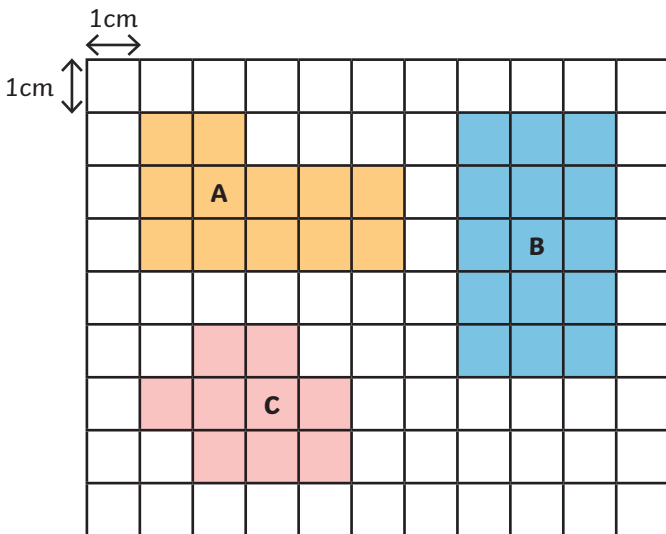


- 1) A rectilinear shape has been drawn on a $8\text{cm} \times 4\text{cm}$ grid.
 - a) What is the smallest possible perimeter?
 - b) What is the greatest possible perimeter?
 - c) On a $8\text{cm} \times 4\text{cm}$ square-centimetre grid, complete the shape with the greatest possible perimeter.

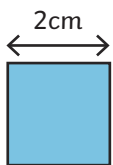
This is the top half of the grid.



- 2) These three shapes make a compound shape.
 - a) What are the perimeters of each shape?
 - b) Using these shapes, can you make a compound shape that has an area of 38cm^2 ?



- 3) Zeke has 16 of these square tiles. Each side measures 2cm . He uses all of them to make rectangles with different dimensions.



- a) How many rectangles with different perimeters can he make?
- b) Give the dimensions of these rectangles in centimetres.



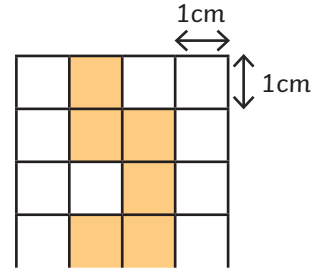
Perimeter on a Grid

not to scale

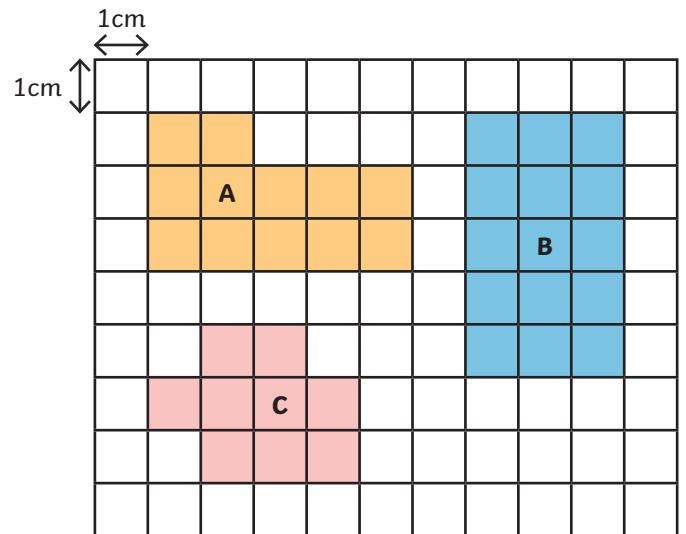


- 1) A rectilinear shape has been drawn on a $8\text{cm} \times 4\text{cm}$ grid.
 - a) What is the smallest possible perimeter?
 - b) What is the greatest possible perimeter?
 - c) On a $8\text{cm} \times 4\text{cm}$ square-centimetre grid, complete the shape with the greatest possible perimeter.

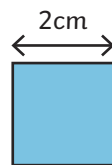
This is the top half of the grid.



- 2) These three shapes make a compound shape.
 - a) What are the perimeters of each shape?
 - b) Using these shapes, can you make a compound shape that has an area of 38cm^2 ?



- 3) Zeke has 16 of these square tiles. Each side measures 2cm . He uses all of them to make rectangles with different dimensions.



- a) How many rectangles with different perimeters can he make?
- b) Give the dimensions of these rectangles in centimetres.

