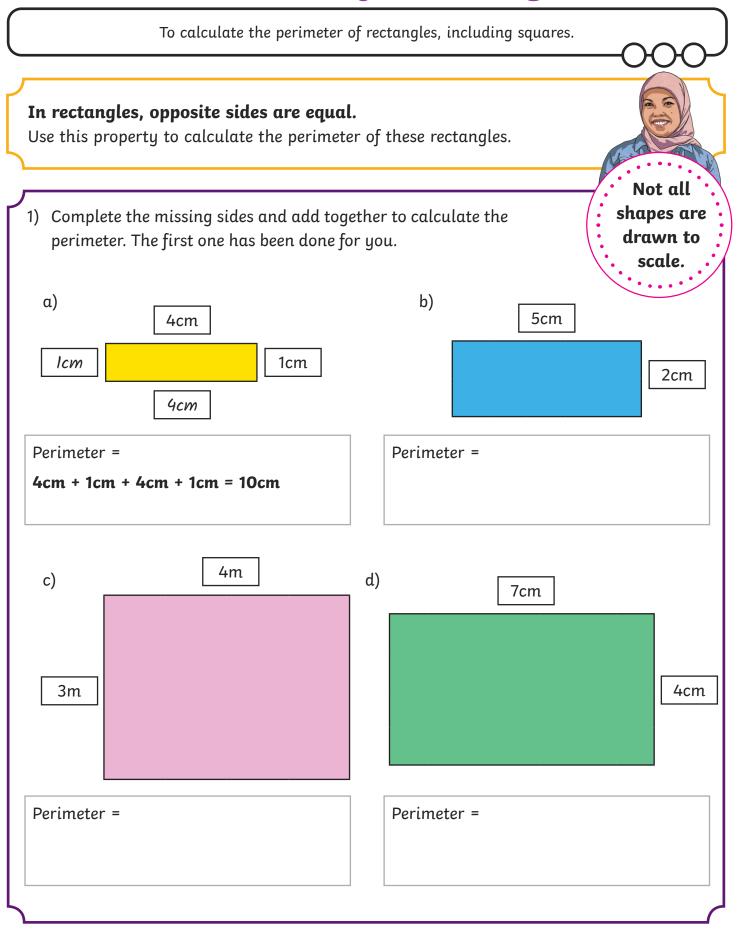
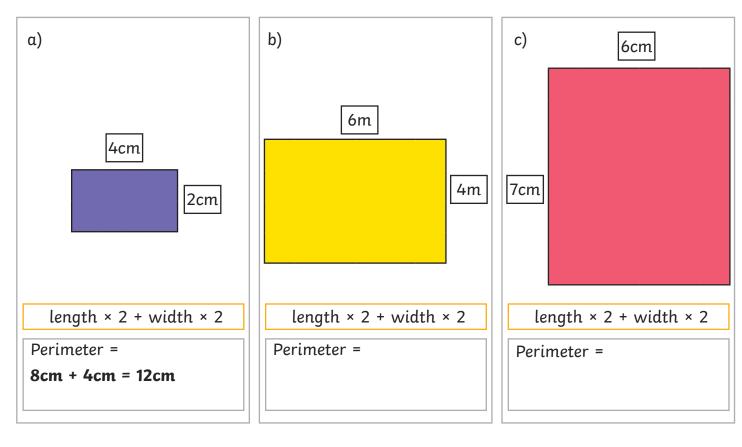
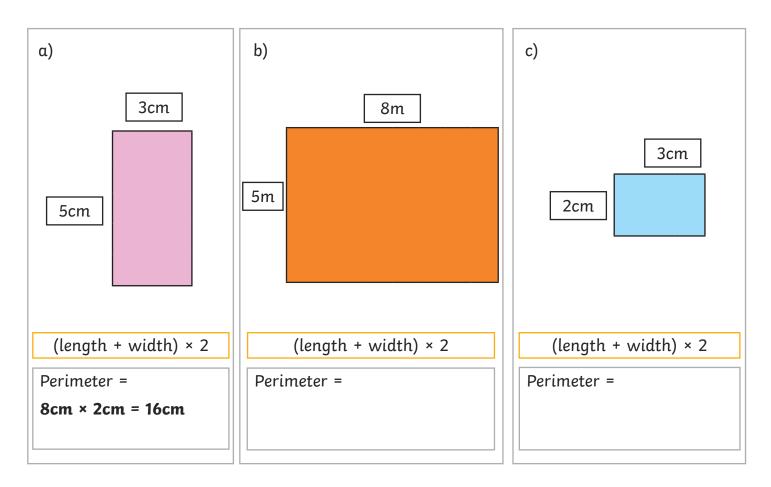
Perimeter of Rectangles



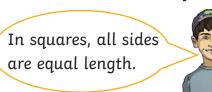
2) Calculate the perimeter. The first one has been done for you.

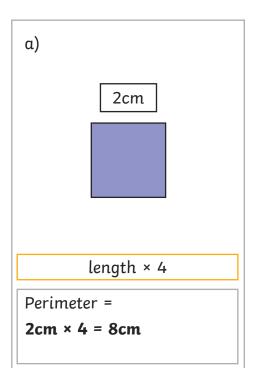


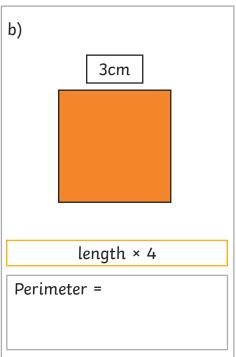
3) Calculate the perimeter. The first one has been done for you.

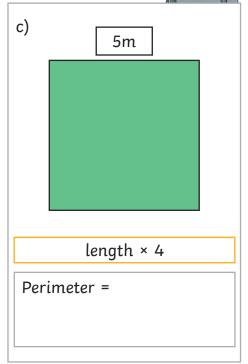


4) Calculate the perimeter. The first one has been done for you.

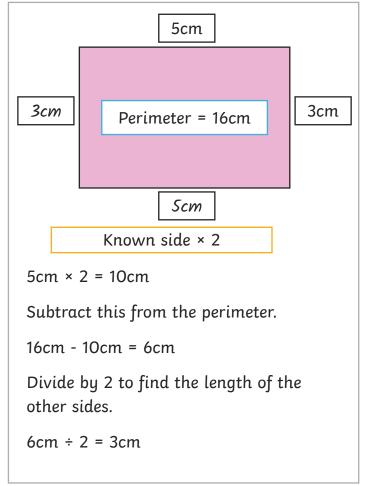


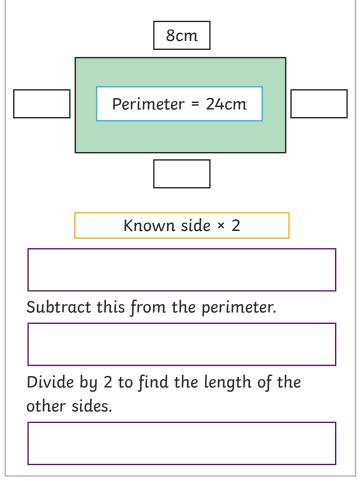






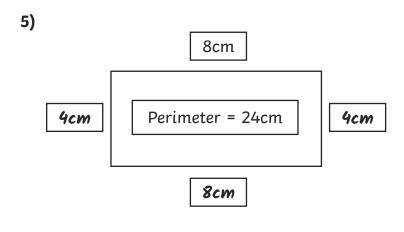
5) Calculate the length of all sides on the second rectangle. One has been done for you.





Perimeter of Rectangles Answers

- 1) (Addition in any order)
 - b) 5cm + 2cm + 5cm + 2cm = 14cm
 - c) 4m + 3m + 4m + 3m = 14m
 - d) 7cm + 4cm + 7cm + 4cm = 22cm
- 2) b) 12m + 8m = 20m
 - c) 14cm + 12cm = 26cm
- 3) b) $13m \times 2 = 26m$
 - c) $5cm \times 2 = 10cm$
- 4) b) $3cm \times 4 = 12cm$
 - c) $5m \times 4 = 20m$



Subtract this from the perimeter.

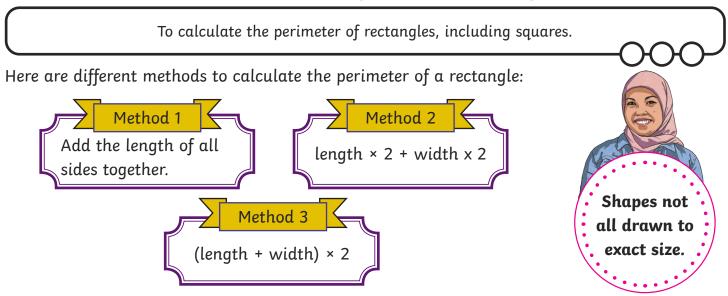
$$24cm - 16cm = 8cm$$

 $8cm \times 2 = 16cm$

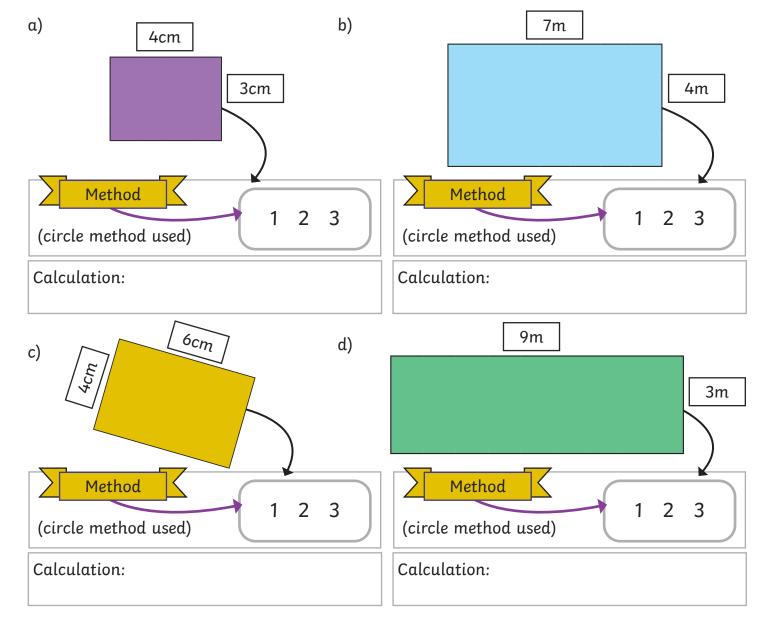
Divide by 2 to find length of other sides.

$$8cm \div 2 = 4cm$$

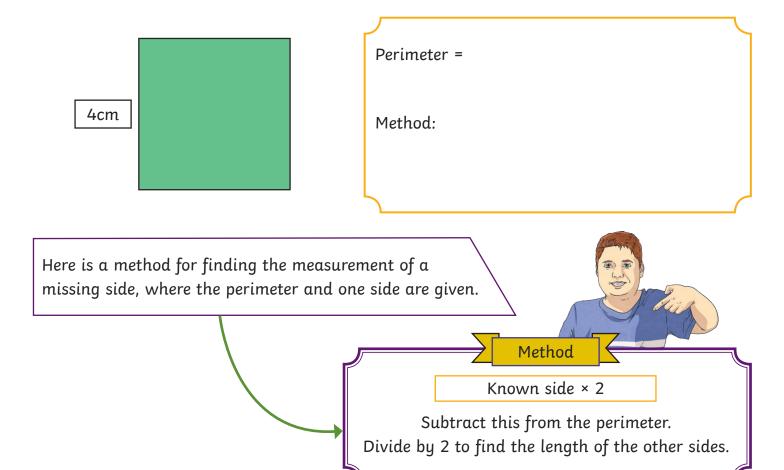
Perimeter of Rectangles



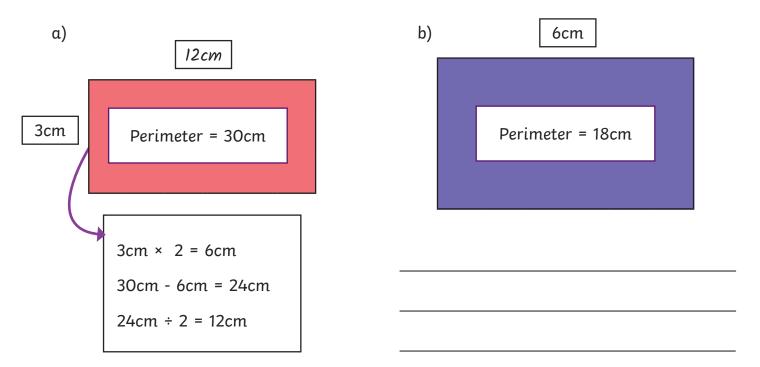
1) Choose different methods to calculate the perimeter of these shapes. Say which method you chose and show the calculation you used to calculate the perimeter.



2) Calculate the perimeter of this square. Explain the method you used to work out the answer.



3) Use the method to calculate the length of missing sides on these rectangles. The first one has been done for you.



(+)	Explain how to find the lengths of the sides on a square, where the perimeter alone is given. Explain why this method works.
5)	Use the method you described in question 4 to calculate the length of the sides of a square with a perimeter of 12m. Show the calculation you used.

Perimeter of Rectangles Answers

- 1) a) 14cm
 - b) 22m
 - c) 20cm
 - d) 24m
- 2) Perimeter = 16cm

Method = Length of the known side multiplied by 4.

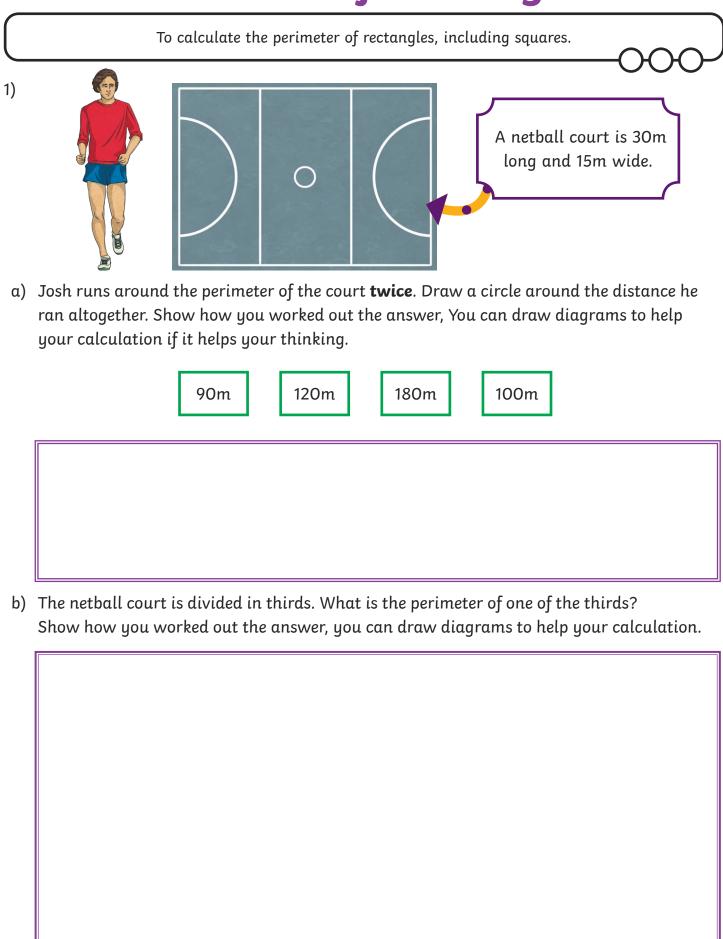
3) b) $6cm \times 2 = 12cm$

18cm - 12cm = 6cm

 $6cm \div 2 = 3cm$

- 4) Children's explanations may vary, for example: Divide the perimeter by 4. This method works because all four sides of a square are equal.
- 5) $12cm \div 4 = 3cm$

Perimeter of Rectangles



Here is a square: a) What is the perimeter? Show the calculation you did to	work it out.
4cm	
b) If 5 squares were placed side by side, would the overall by greater than or less than the perimeter of one square measuring 15cm? Show how you worked out the answer	with sides
3) I am placing a fence around the outside of my rectangular garden.	
• Each fence panel is 2m long.	
The longest side of my garden is 20m. Draw diagrams to	50
• I used 30 fence panels in total around the garden.	
What is the length of the shortest side of my garden?	

Perimeter of Rectangles Answers

- 1) α) 90m 120m **180m** 100m
 - b) 50m
- 2) a) 16cm
 - b) 5 squares: perimeter = 48cm. Perimeter of square with 15cm sides = 60cm

 The 5 squares together would have a perimeter less than the one square with sides of 15cm.
- 3) 10m