Homework/Extension
Step 3: Perimeter of a Rectangle

National Curriculum Objectives:

Mathematics Year 4: (4M7a) Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Identify if a given statement about the perimeter of 3 rectangles is true or false. All measurements are given and are in cm.
Expected Identify if a given statement about the perimeter of 3 rectangles is true or false. Not all measurements are given and those given are in mm (no conversion).
Greater Depth Identify if a given statement about the perimeter of 3 rectangles is true or false. Not all measurements are given and those given are in cm and mm (conversion needed).

Questions 2, 5 and 8 (Varied Fluency)
Developing Insert inequality symbols after calculating and comparing the perimeter of two rectangles to make the statements correct. All measurements are given and are in cm.
Expected Insert inequality symbols after calculating and comparing the perimeter of two rectangles to make the statements correct. Not all measurements are given and those given are in mm or cm (no conversion).
Greater Depth Insert inequality symbols after calculating and comparing the perimeter of two rectangles to make the statements correct. Not all measurements are given and those given are in mm and cm (conversion needed).

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Use digit cards to find missing numbers in a measurement which completes the calculation for the given perimeter. Measurements are given in cm.
Expected Use digit cards to find missing numbers in measurements which complete the calculation for the given perimeter. Measurements are given in mm (no conversion needed).
Greater Depth Use digit cards to find missing numbers in measurements which complete the calculation for the given perimeter. Measurements are given in mm and cm (conversion needed).

More Year 4 Length and Perimeter resources.

Did you like this resource? Don't forget to review it on our website.

Perimeter of a Rectangle

1. True or false?

Each rectangle has a perimeter of 50cm.

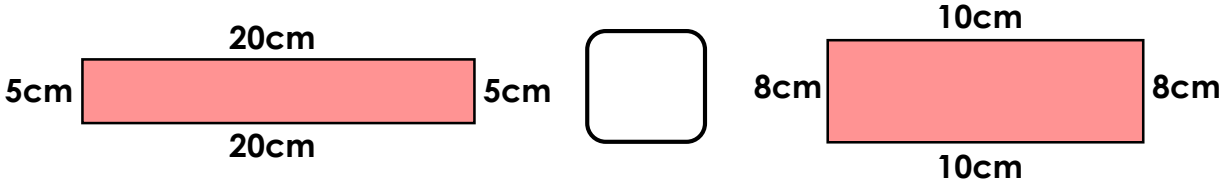
D

not to scale

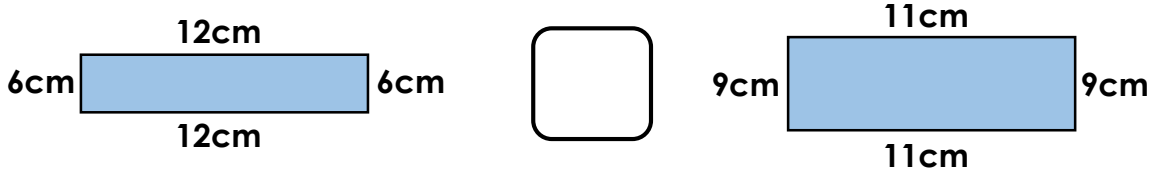
VF
HW/Ext

2. Insert the correct symbol (<, > or =) in the boxes below to make the statements correct.

A.



B.

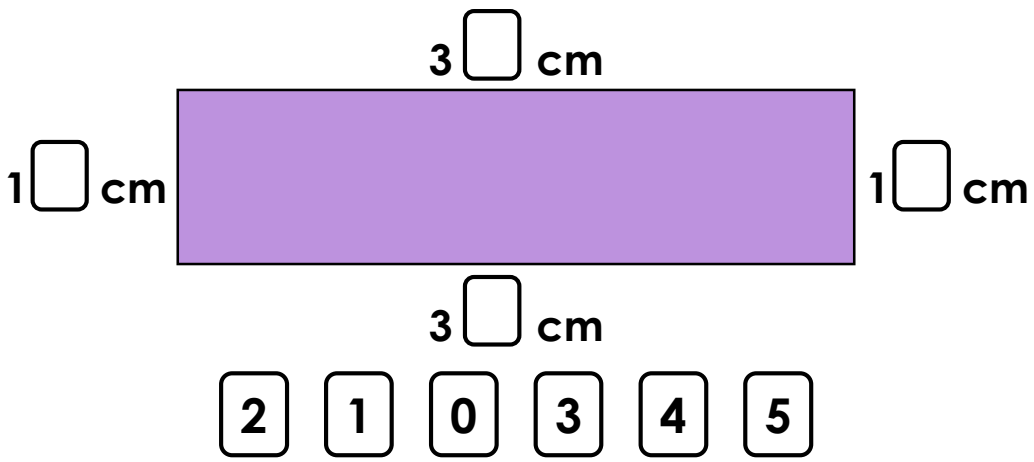


D

not to scale

VF
HW/Ext

3. Use the digit cards below to fill in the missing numbers if the perimeter of this rectangle is <u>90cm</u>. Find 3 possibilities.



D

not to scale

RPS
HW/Ext

Perimeter of a Rectangle

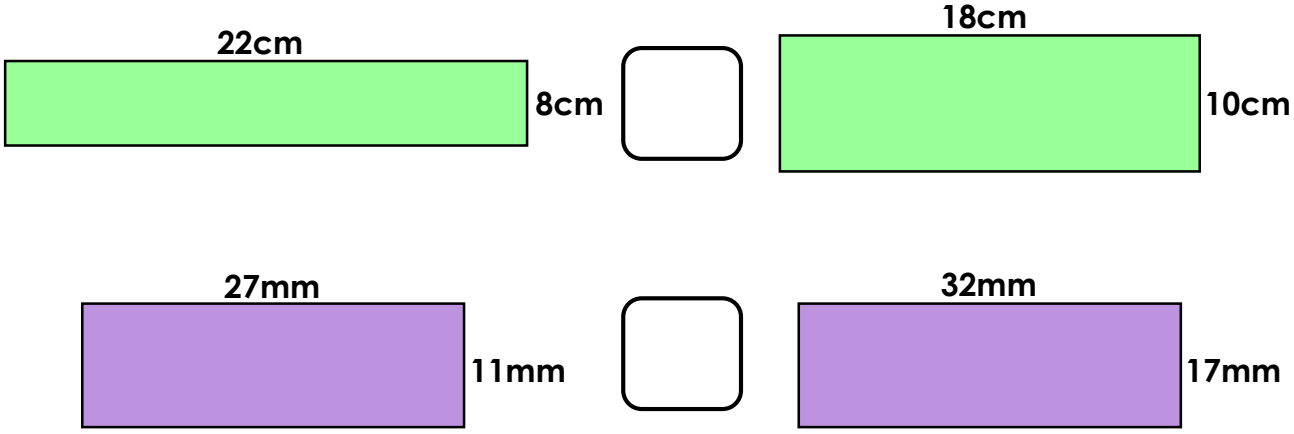
4. True or false?

Each rectangle has a perimeter of 84mm.

not to scale

VF
HW/Ext

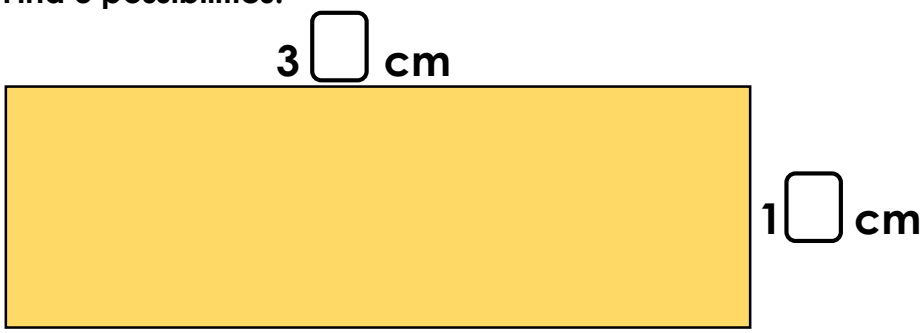
5. Insert the correct symbol (<, > or =) in the boxes below to make the statements correct.



not to scale

VF
HW/Ext

6. Use the digit cards below to fill in the missing numbers if the perimeter of this rectangle is 94cm. Find 3 possibilities.



5	2	1	3	4	6	0

not to scale

RPS
HW/Ext

Perimeter of a Rectangle

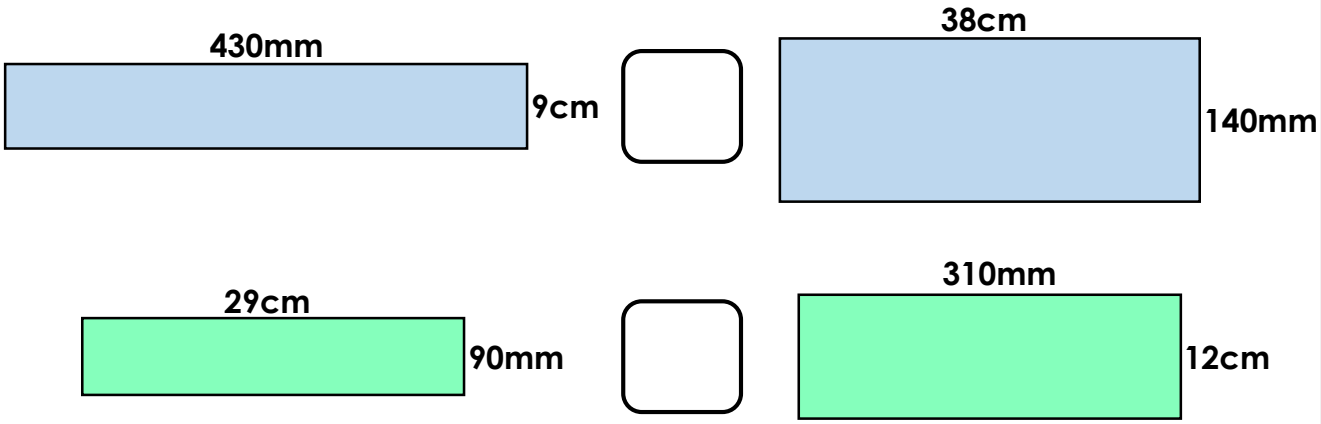
7. True or false?

Each rectangle has a perimeter of 76cm.

not to scale

VF
HW/Ext

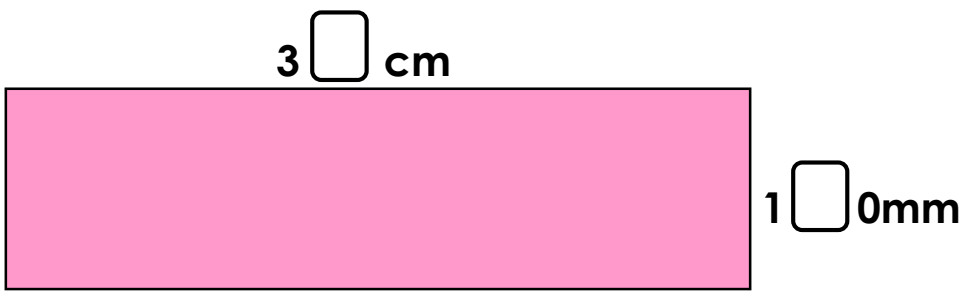
8. Insert the correct symbol (<, > or =) in the boxes below to make the statements correct.



not to scale

VF
HW/Ext

9. Use the digit cards below to fill in the missing numbers if the perimeter of this rectangle is <u>980mm</u>. Find 3 possibilities.



6	2	0	3	4	5	7	1

not to scale

RPS
HW/Ext

Homework/Extension
Perimeter of a Rectangle

Developing

1. False, the perimeter of A is 40cm, B and C both equal 50cm.
2. A. >; B. <
3. Various answers, for example: 35cm + 35cm (length) + 10cm + 10cm (width); 34cm +34cm (length) + 11cm +11cm (width); 33cm + 33cm (length) + 12cm +12cm (width).

Expected

4. False, the perimeter of B is 96mm, A and C both equal 84mm.
5. A. >; B. <
6. Various answers, for example: 33cm + 33cm (length) + 14cm + 14cm (width); 32cm + 32cm (length) + 15cm + 15cm (width); 31cm + 31cm (length) + 16cm + 16cm (width).

Greater Depth

7. False, the perimeter of C is 72cm, A and C both equal 76cm.
8. A. =; B. <
9. Various answers, for example: 32cm + 32cm (length) + 170mm + 170mm (width), 33cm + 33cm (length) + 160mm + 160mm (width), 34cm + 34cm (length) + 150mm + 150mm (width).