

Homework/Extension

Step 1: Measure Perimeter

National Curriculum Objectives:

Mathematics Year 5: (5M7a) [Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Tick the shapes that have a given perimeter by measuring the perimeter of regular shapes with up to four sides measured in whole centimetres.

Expected Tick the shapes that have a given perimeter by measuring the perimeter of regular and rectilinear shapes measured in whole centimetres.

Greater Depth Tick the shapes that have a given perimeter by measuring the perimeter of rectilinear shapes measured in whole and half centimetres.

Questions 2, 5 and 8 (Varied Fluency)

Developing Use comparison symbols to complete a comparison statement about three regular shapes with up to four sides measured in whole centimetres.

Expected Use comparison symbols to complete a comparison statement about three regular and rectilinear shapes measured in whole centimetres.

Greater Depth Use comparison symbols to complete a comparison statement about three rectilinear shapes measured in whole and half centimetres.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Consider if a statement is true by measuring and comparing the perimeters of two regular shapes of up to four sides measured in whole centimetres.

Expected Consider if a statement is true by measuring and comparing the perimeters of two rectilinear shapes measured in whole centimetres.

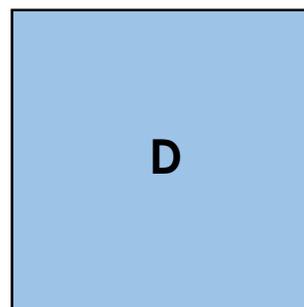
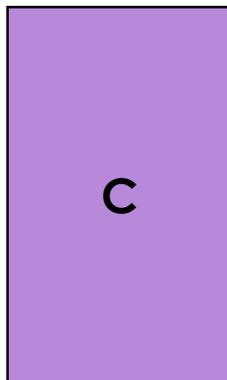
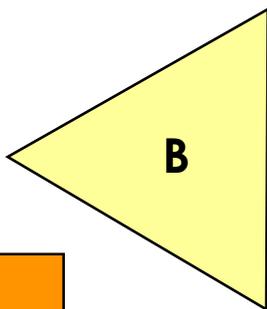
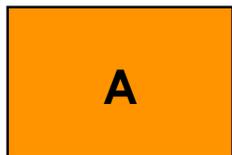
Greater Depth Consider if a statement is true by measuring and comparing the perimeters of two rectilinear shapes measured in whole and half centimetres.

More [Year 5 Measure Perimeter](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

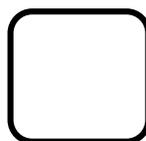
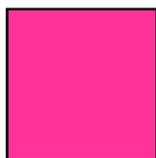
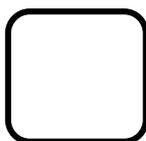
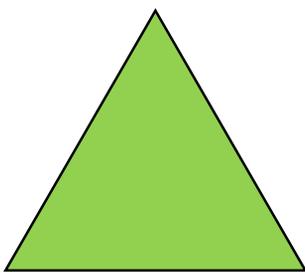
Measure Perimeter

1. Tick the shapes with a perimeter of 16cm.



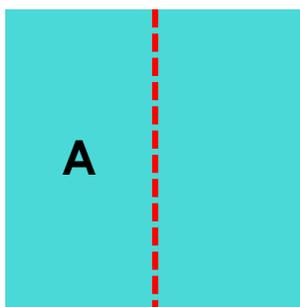
VF
HW/Ext

2. Use $>$, $<$ or $=$ symbols to complete the comparison statement about the perimeter of the three shapes below.



VF
HW/Ext

3. Ronnie cuts the shape below along the dotted line. He says that the perimeter of the new shape labelled A is half the size of the original perimeter.



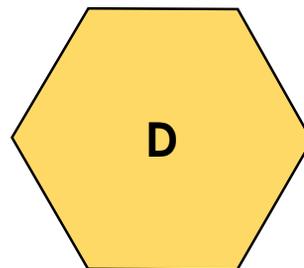
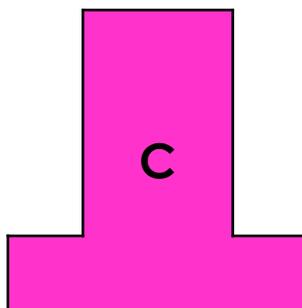
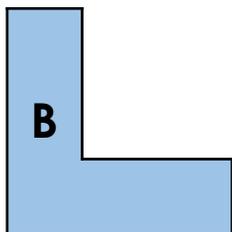
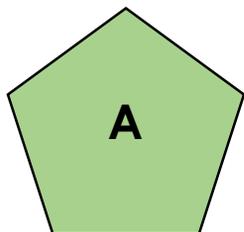
Is Ronnie correct? Prove it by measuring the two perimeters.



RPS
HW/Ext

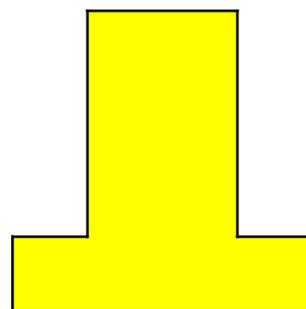
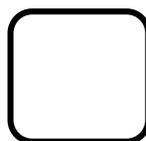
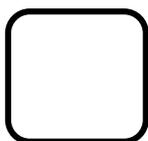
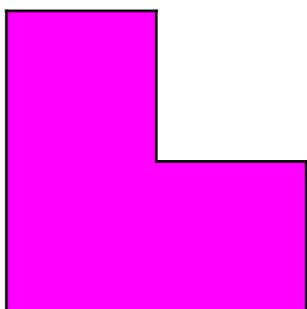
Measure Perimeter

4. Tick the shapes with a perimeter of 12cm.



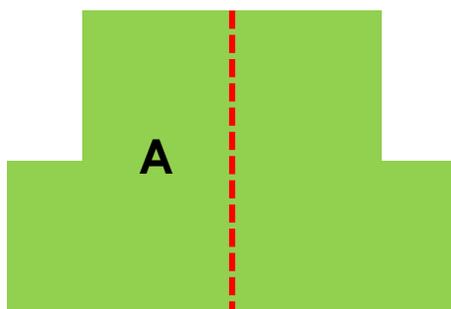
VF
HW/Ext

5. Use $>$, $<$ or $=$ symbols to complete the comparison statement about the perimeter of the three shapes below.



VF
HW/Ext

6. Sienna cuts the shape below along the dotted line. She says that the perimeter of the new shape labelled A is half the size of the original perimeter.



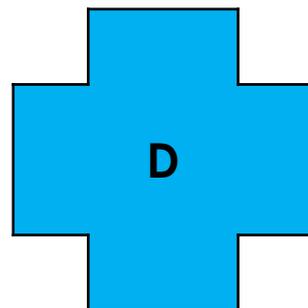
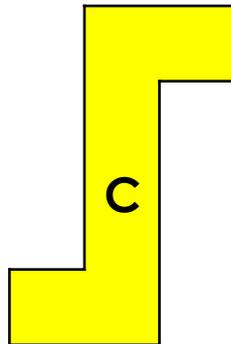
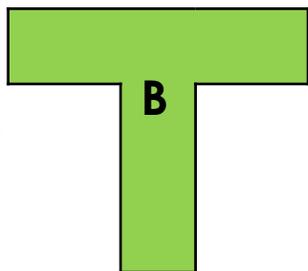
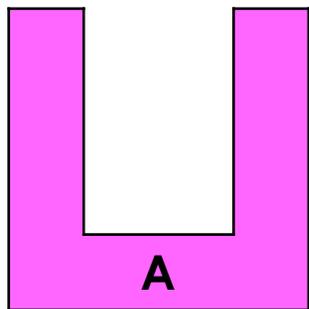
Is Sienna correct? Prove it by measuring the two perimeters.



RPS
HW/Ext

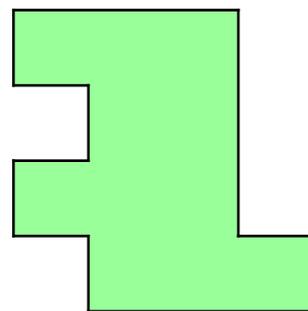
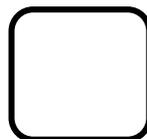
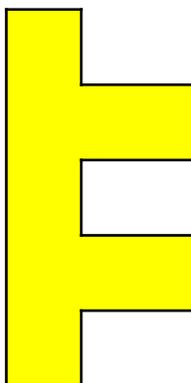
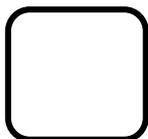
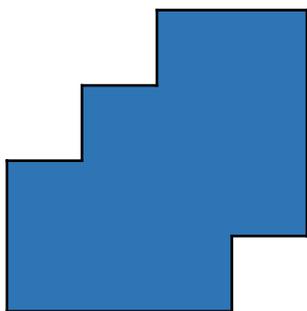
Measure Perimeter

7. Tick the shapes with a perimeter of 15cm.



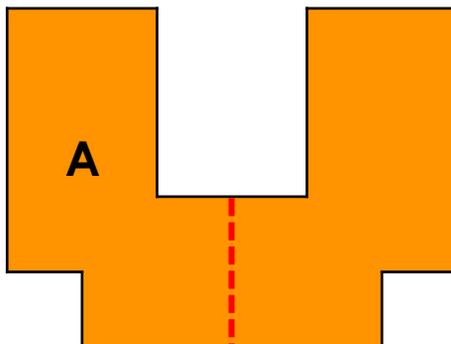
VF
HW/Ext

8. Use $>$, $<$ or $=$ symbols to complete the comparison statement about the perimeter of the three shapes below.



VF
HW/Ext

9. Lily cuts the shape below along the dotted line. She says that the perimeter of the new shape labelled A is half the size of the original perimeter.



Is Lily correct? Prove it by measuring the two perimeters.



RPS
HW/Ext

Homework/Extension Measure Perimeter

Developing

1. C, D
2. $>$, $<$ ($12\text{cm} > 8\text{cm} < 14\text{cm}$)
3. No, Ronnie is not correct. The perimeter of the original shape is 16cm and the perimeter of shape A is 12cm. 12cm is not half of 16cm.

Expected

4. B, D
5. $>$, $<$ ($16\text{cm} > 12\text{cm} < 16\text{cm}$)
6. No, Sienna is not correct. The perimeter of the original shape is 20cm and the perimeter of shape A is 14cm. 14cm is not half of 20cm.

Greater Depth

7. B, C
8. $<$, $=$ ($16\text{cm} < 18\text{cm} = 18\text{cm}$)
9. No, Lily is not correct. The perimeter of the original shape is 26cm and the perimeter of shape B is 15cm. 15cm is not half of 26cm.