Homework/Extension
Step 2: Calculate 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 Compare the perimeters of each shape to complete the comparison statement. Using centimetres and shapes with up to 6 sides.
Expected Compare the perimeters of each shape to complete the comparison statement. Using centimetres with some half lengths shown as decimals and some quarter lengths shown as fractions.
Greater Depth Compare the perimeters of each shape to complete the comparison statement. Using centimetres and metres with some half and quarter lengths shown as decimals or fractions. Includes some conversion of units.

Questions 2, 5 and 8 (Varied Fluency)
Developing Identify the odd one out. Using centimetres and shapes with up to 6 sides.
Expected Identify the odd one out. Using centimetres with some half lengths shown as decimals and some quarter lengths shown as fractions.
Greater Depth Identify the odd one out by calculating the perimeters of the rectilinear shapes. Using centimetres and metres with some half and quarter lengths shown as decimals or fractions. Includes some conversion of units.

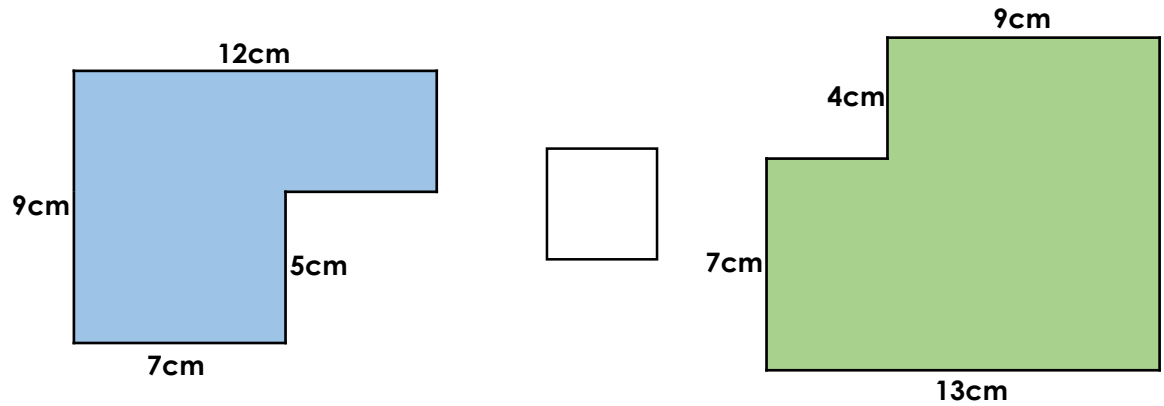
Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Identify the correct statement. Using metres and shapes with up to 6 sides.
Expected Identify the correct statement. Using metres with some half lengths shown as decimals and some quarter lengths shown as fractions.
Greater Depth Identify the correct statement. Using centimetres and metres with some half and quarter lengths shown as decimals or fractions. Includes some conversion of units.

More Year 5 Perimeter and Area resources

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

Calculate Perimeter

1. Compare the perimeters of each shape to complete the comparison statement.

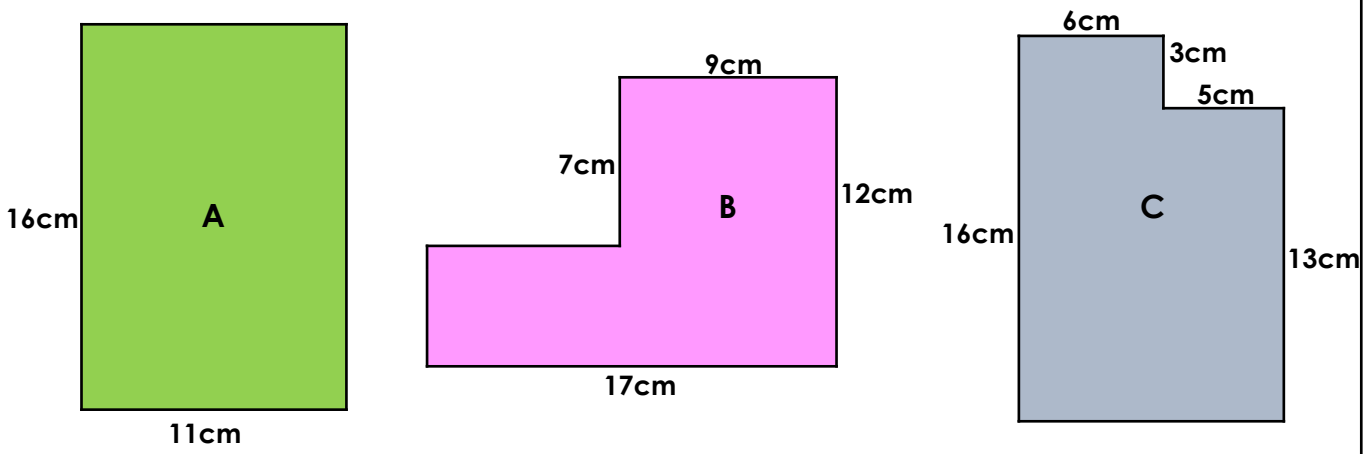


D

Not to scale

VF
HW/Ext

2. Calculate the perimeters of the shapes to find the odd one out.



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HW/Ext

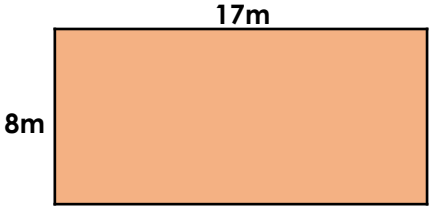
3. Dan and Heather have both measured the perimeter of their classrooms.

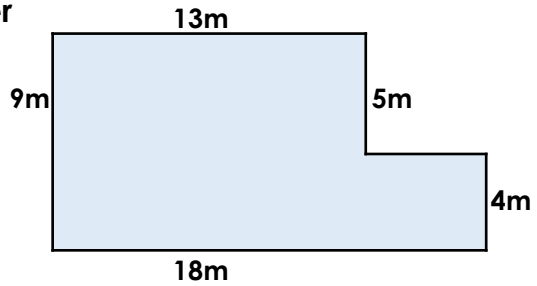
I think my classroom has a larger perimeter.

Dan

I think my classroom has a larger perimeter.

Heather





Who is correct? Explain how you know.

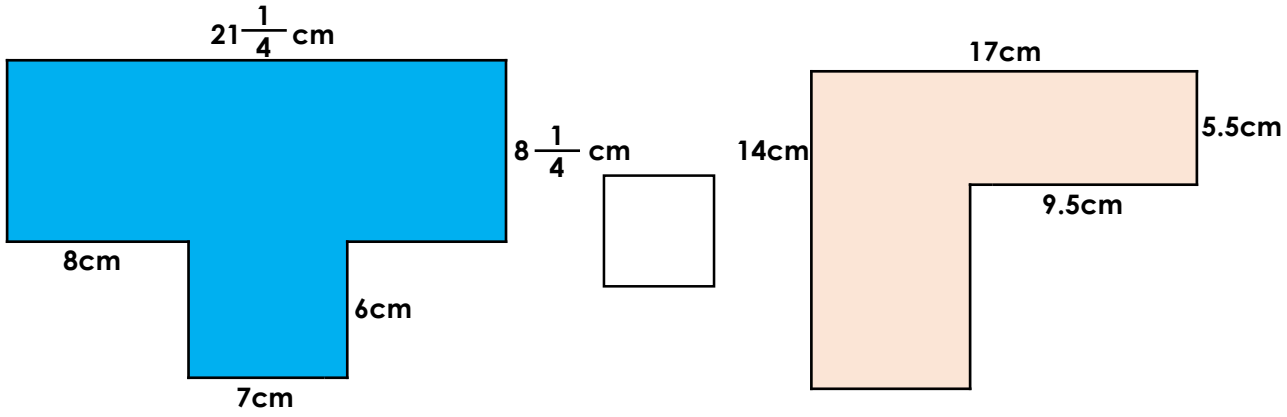
D

Not to scale

RPS
HW/Ext

Calculate Perimeter

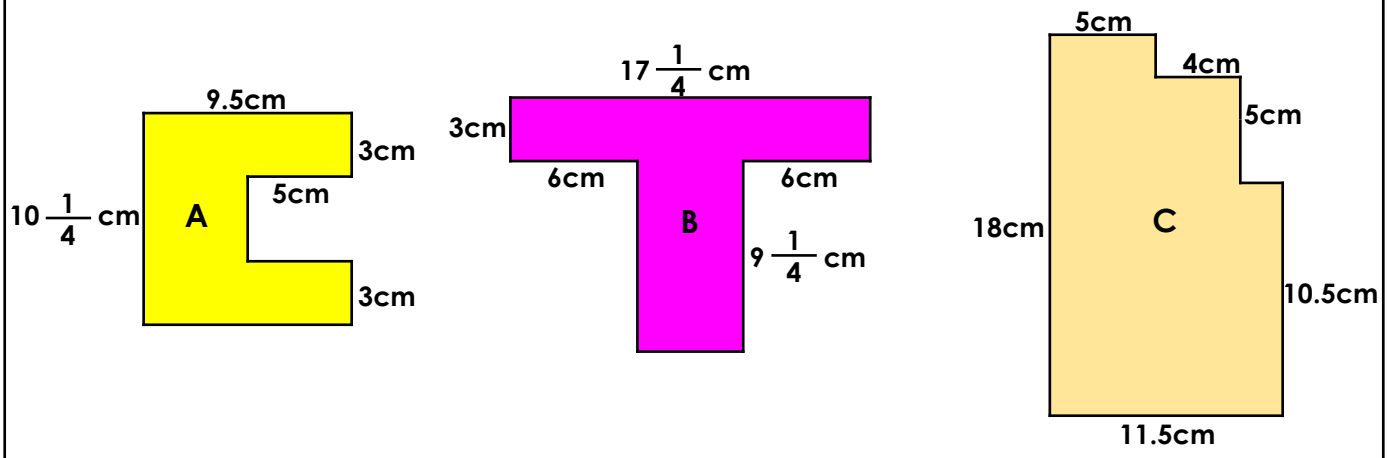
4. Compare the perimeters of each shape to complete the comparison statement.



Not to scale

VF
HW/Ext

5. Calculate the perimeters of the shapes to find the odd one out.

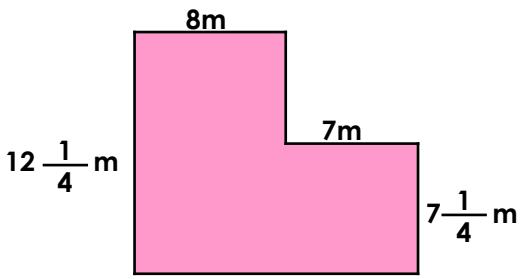


Not to scale

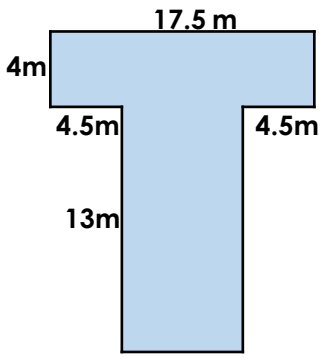
VF
HW/Ext

6. Judy and Martin have both measured the perimeter of their bedrooms.

Judy: I think my bedroom has a larger perimeter.



Martin: I think my bedroom has a larger perimeter.



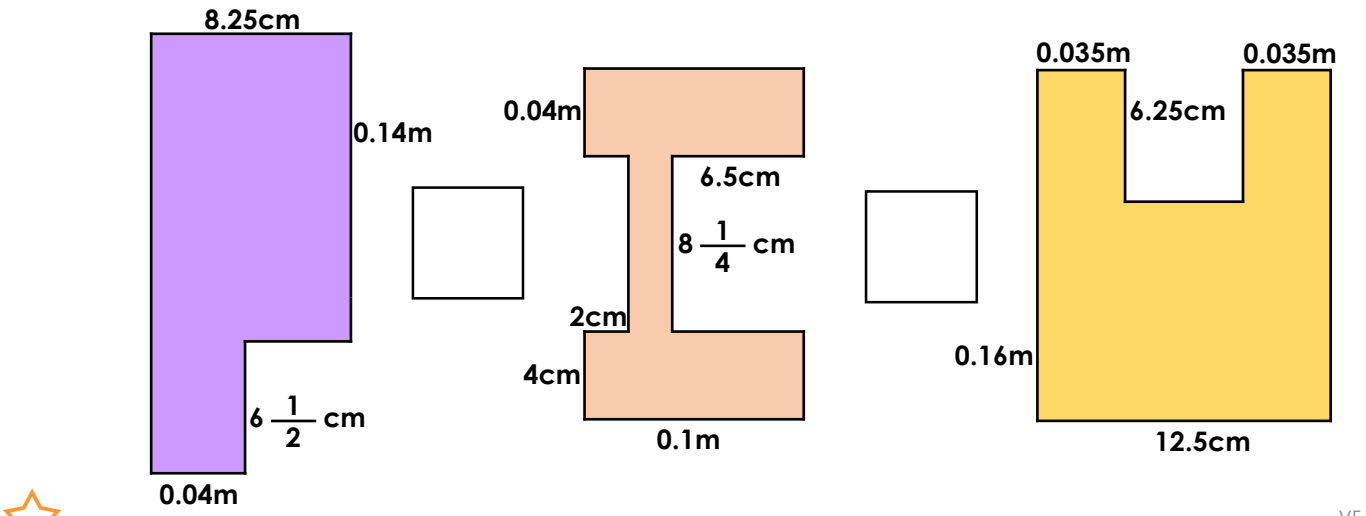
Who is correct? Explain how you know.

Not to scale

RPS
HW/Ext

Calculate Perimeter

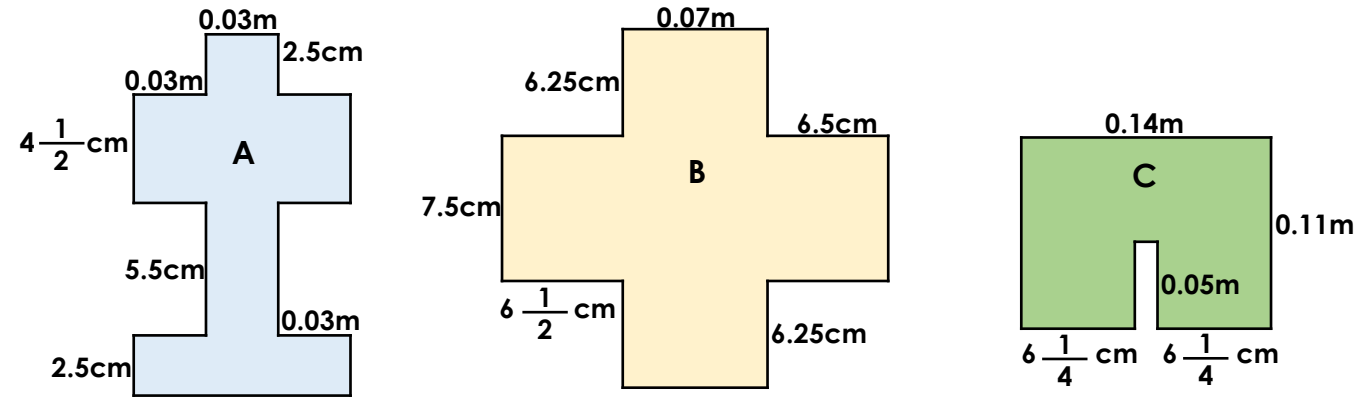
7. Compare the perimeters of each shape to complete the comparison statement.



Not to scale

VF
HW/Ext

8. Calculate the perimeters of the shapes to find the odd one out.



Not to scale

VF
HW/Ext

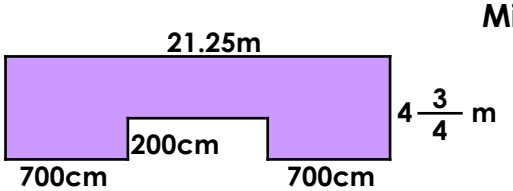
9. Hannah and Michael have both measured the perimeter of their gardens.

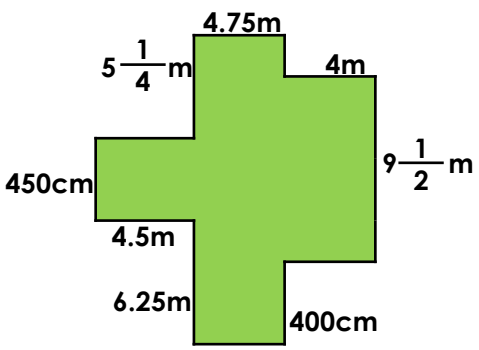
Hannah

I think my garden has a larger perimeter.

Michael

I think my garden has a larger perimeter.





Who is correct? Explain how you know.

Not to scale

RPS
HW/Ext

Homework/Extension
Calculate Perimeter

Developing

1. 42cm < 48cm
2. B is the odd one out. B = 58cm, whereas A and C = 54cm.
3. Heather is correct. Dan's classroom has a perimeter of 50m, whereas Heather's classroom has a perimeter of 54m.

Expected

4. 71cm > 62cm
5. A is the odd one out. A = 49.5cm, whereas B and C = 59cm.
6. Martin is correct. Judy's bedroom has a perimeter of 54.5m, whereas Martin's bedroom has a perimeter of 69m.

Greater Depth

7. 57.5cm < 69.5cm = 69.5cm
8. B is the odd one out. B = 80cm, whereas A and C = 60cm.
9. Michael is correct. His garden has a perimeter of 58.5m, whereas Hannah's garden has a perimeter of 56m.