Varied Fluency
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:

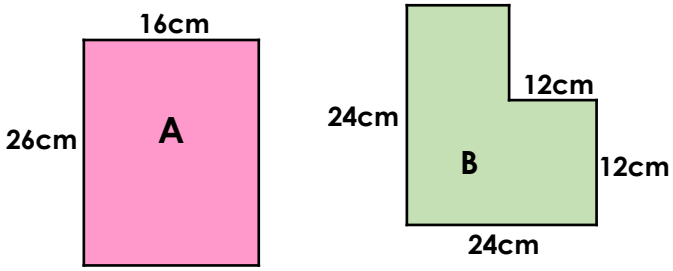
Developing Questions to support calculating the perimeter of up to 6-sided regular and rectilinear shapes in whole centimetres and metres.
Expected Questions to support calculating the perimeter of regular and rectilinear shapes in centimetres and metres, with some half lengths shown as decimals and some quarter lengths shown as fractions.
Greater Depth Questions to support calculating the perimeter of rectilinear shapes in centimetres and metres, with some half and quarter lengths shown as decimals or fractions, with 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

1a. Match the shape to the correct perimeter.



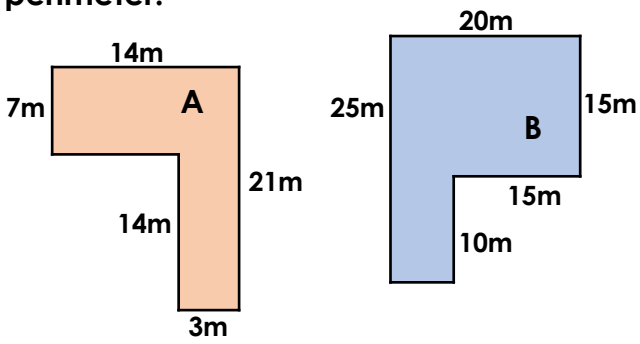
80cm | 96cm | 84cm

Not to scale

VF

Calculate Perimeter

1b. Match the shape to the correct perimeter.

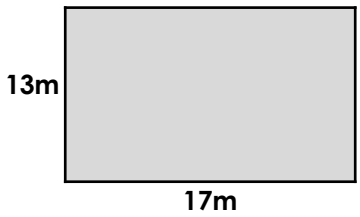


70m | 80m | 90m

Not to scale

VF

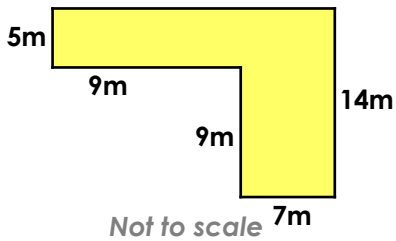
2a. Calculate the perimeter.



Not to scale

VF

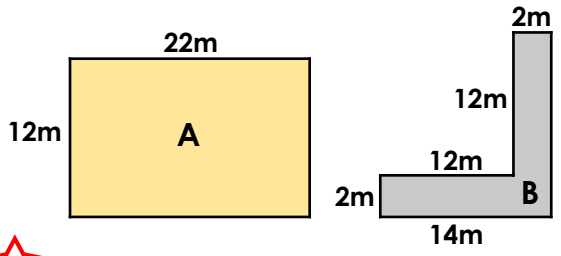
2b. Calculate the perimeter.



Not to scale

VF

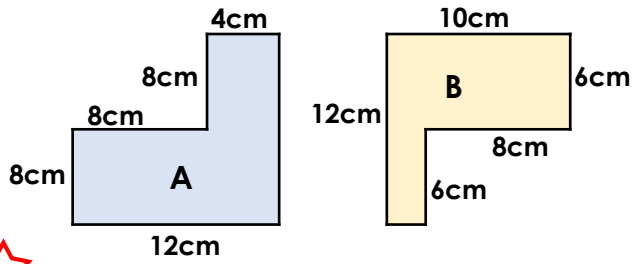
3a. True or false? The perimeter of these shapes is the same.



Not to scale

VF

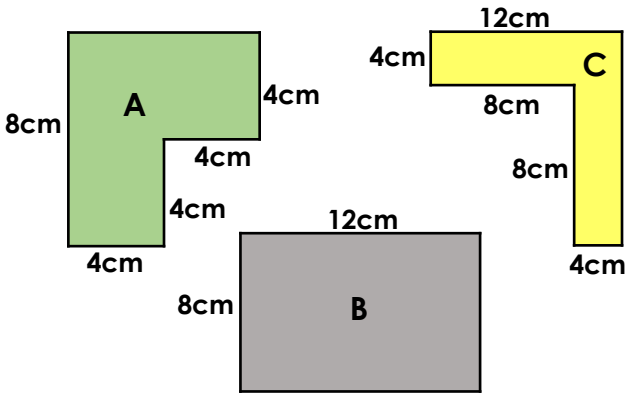
3b. True or false? The perimeter of these shapes is the same.



Not to scale

VF

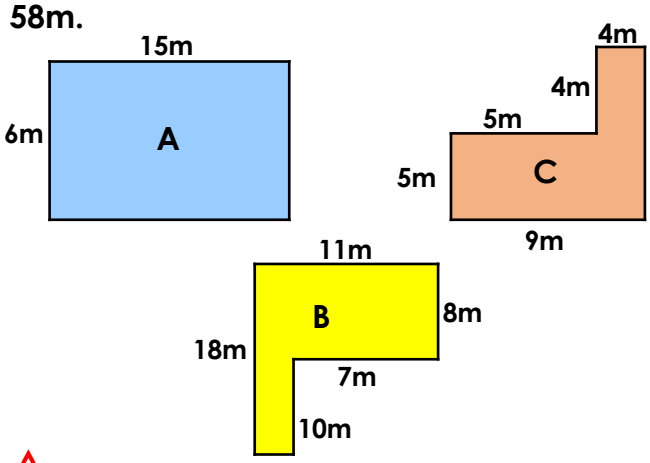
4a. Tick the shape(s) with a perimeter of 40cm.



Not to scale

VF

4b. Tick the shape(s) with a perimeter of 58m.

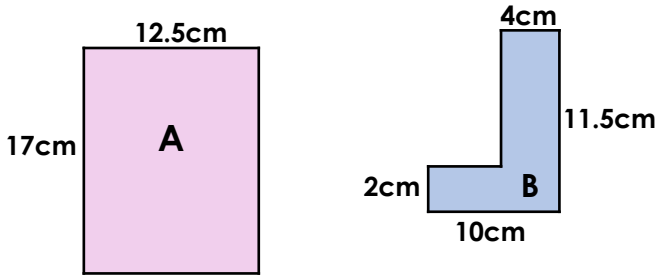


Not to scale

VF

Calculate Perimeter

5a. Match the shape to the correct perimeter.



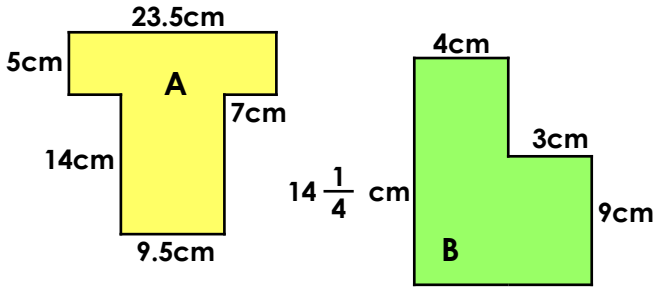
59cm | 43cm | 39cm

Not to scale

VF

Calculate Perimeter

5b. Match the shape to the correct perimeter.

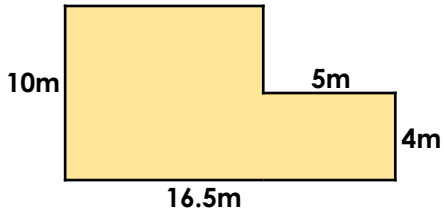


42.5cm | 48cm | 85cm

Not to scale

VF

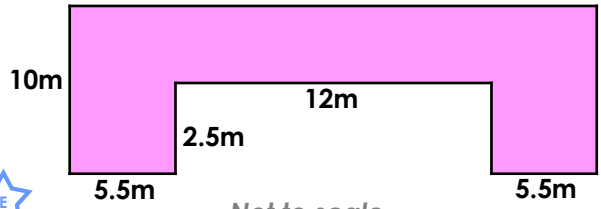
6a. Calculate the perimeter.



Not to scale

VF

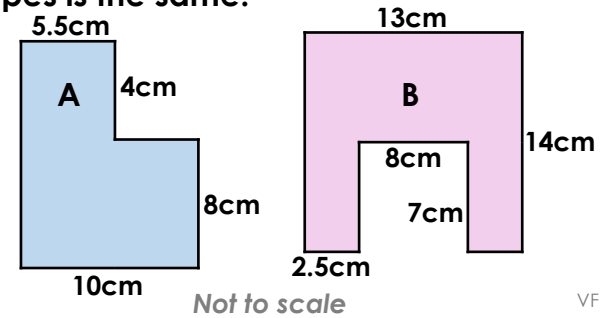
6b. Calculate the perimeter.



Not to scale

VF

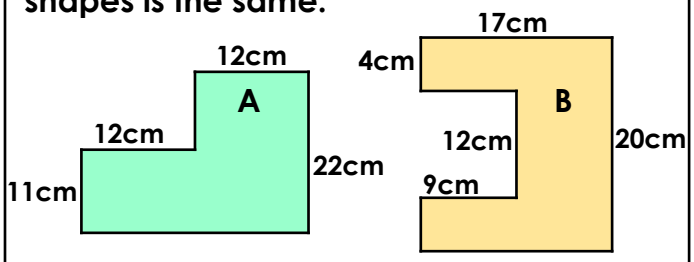
7a. True or false? The perimeter of these shapes is the same.



Not to scale

VF

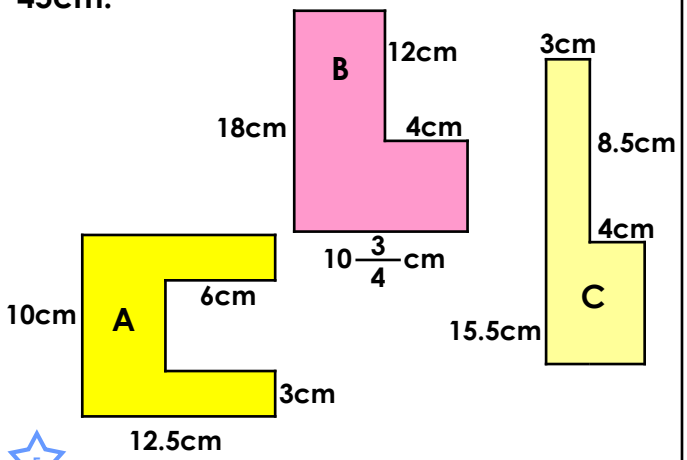
7b. True or false? The perimeter of these shapes is the same.



Not to scale

VF

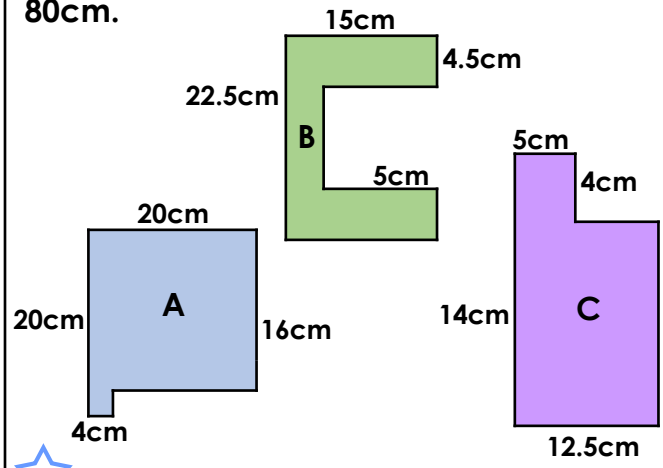
8a. Tick the shape(s) with a perimeter of 45cm.



Not to scale

VF

8b. Tick the shape(s) with a perimeter of 80cm.

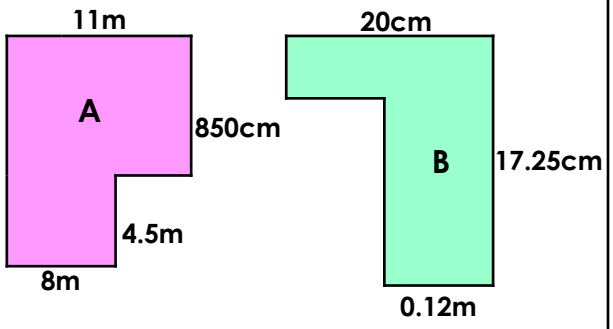


Not to scale

VF

Calculate Perimeter

9a. Match the shape to the correct perimeter.

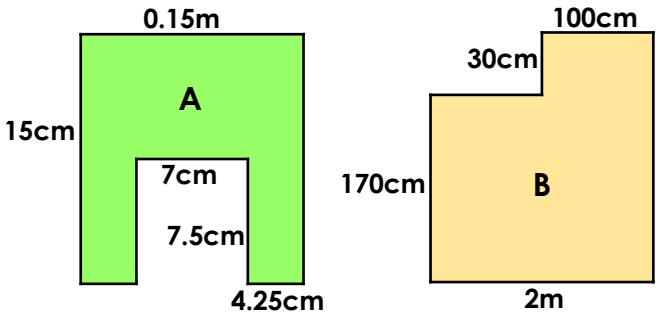


46cm	74.5cm	48m

Not to scale

VF

9b. Match the shape to the correct perimeter.

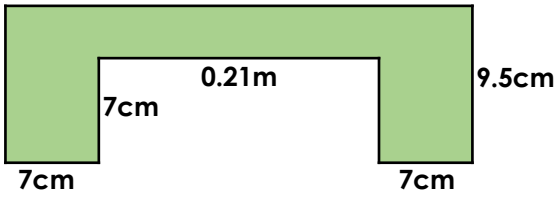


75cm	8m	80cm

Not to scale

VF

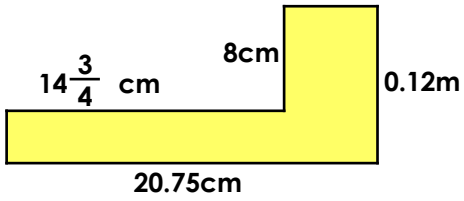
10a. Calculate the perimeter.



Not to scale

VF

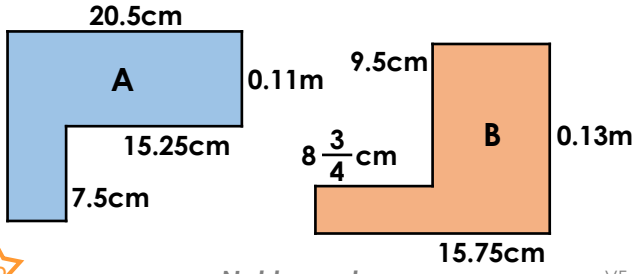
10b. Calculate the perimeter.



Not to scale

VF

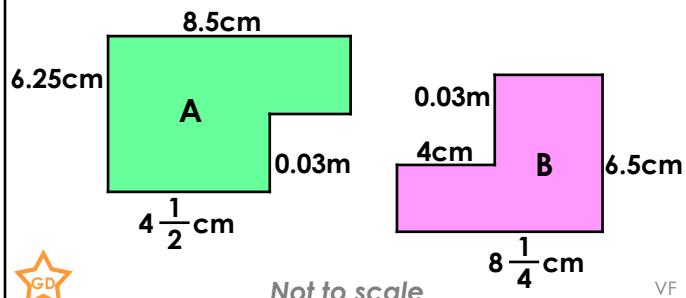
11a. True or false? The perimeter of these shapes is the same.



Not to scale

VF

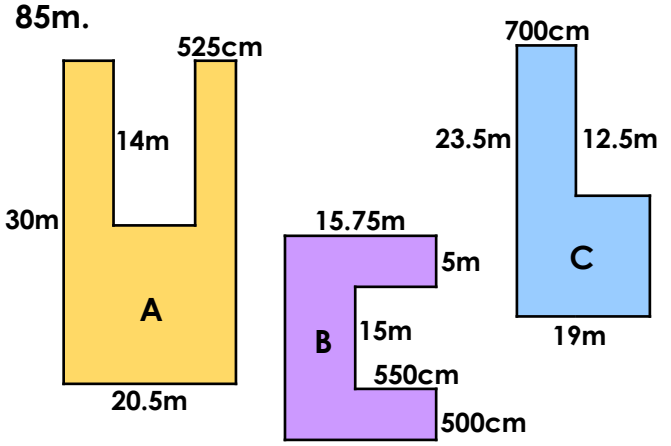
11b. True or false? The perimeter of these shapes is the same.



Not to scale

VF

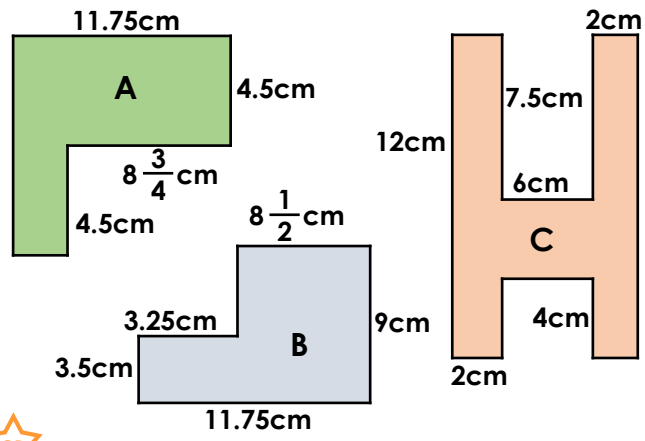
12a. Tick the shape(s) with a perimeter of 85m.



Not to scale

VF

12b. Tick the shape(s) with a perimeter of 41.5cm.



Not to scale

VF

Varied Fluency
Calculate Perimeter

Developing
1a. A = 84cm; B = 96cm
2a. 60m
3a. False; A = 68m, B = 56m
4a. B

Expected
5a. A = 59cm; B = 43cm
6a. 53m
7a. False; A= 44cm, B = 68cm
8a. C

Greater Depth
9a. A = 48m; B = 74.5cm
10a. 103cm
11a. False; A = 78cm, B = 57.5cm
12a. C

Varied Fluency
Calculate Perimeter

Developing
1b. A= 70m; B = 90m
2b. 60m
3b. False; A = 56cm, B = 44cm
4b. B

Expected
5b. A = 85cm; B = 42.5cm
6b. 71m
7b. True
8b. A

Greater Depth
9b. A = 75cm; B = 8m
10b. 65.5cm
11b. True
12b. A and B