Varied Fluency
Step 1: Measure Perimeter

Teaching Note:

Shapes are presented on a 1cm x 1cm grid but measurement may vary dependent on printer settings.

National Curriculum Objectives:

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

Differentiation:

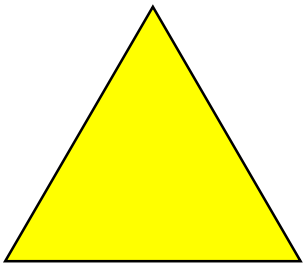
Developing Questions to support measuring perimeter of regular shapes with up to 4 sides in whole centimetres.
Expected Questions to support measuring perimeter of regular and rectilinear shapes in whole centimetres.
Greater Depth Questions to support measuring perimeter of rectilinear shapes in whole and half centimetres.

More Year 5 Perimeter and Area resources.

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

Measure Perimeter

1a. Measure the perimeter of this shape.



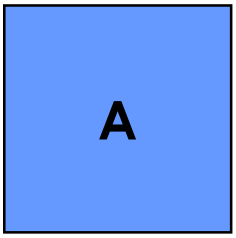
D VF

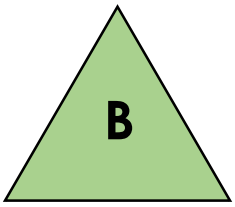
Measure Perimeter

1b. Measure the perimeter of this shape.

D VF

2a. Match the shape to its perimeter.

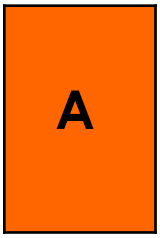


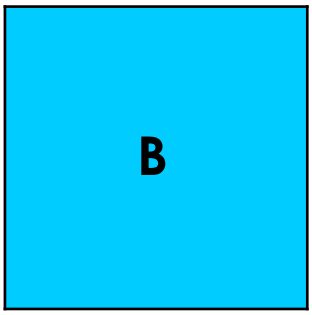


12cm | 9cm | 14cm

D VF

2b. Match the shape to its perimeter.

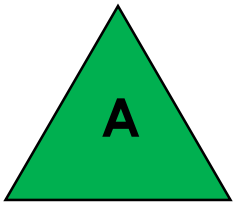


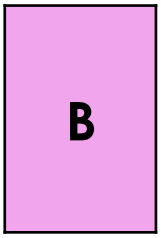


15cm | 10cm | 16cm

D VF

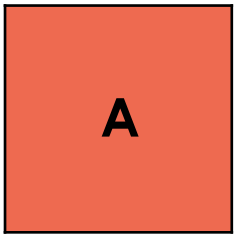
3a. Which shape has the longest perimeter?

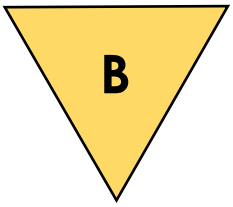




D VF

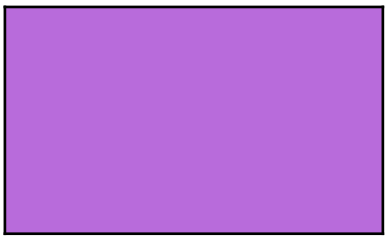
3b. Which shape has the longest perimeter?





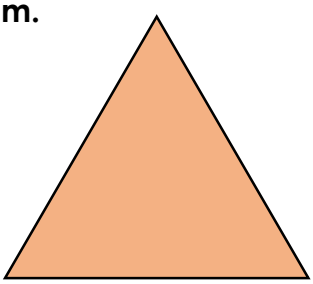
D VF

4a. True or false? The perimeter of this shape is 14cm.



D VF

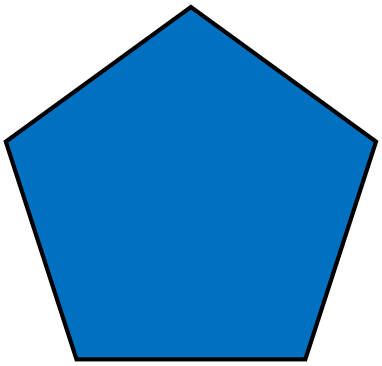
4b. True or false? The perimeter of this shape is 12cm.



D VF

Measure Perimeter

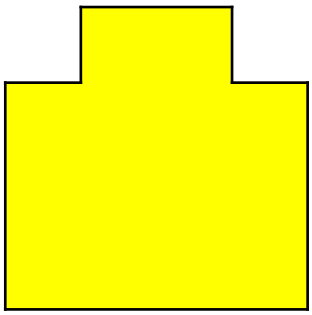
5a. Measure the perimeter of this shape.



E VF

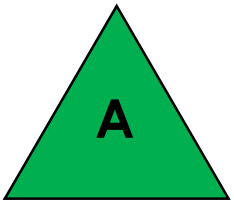
Measure Perimeter

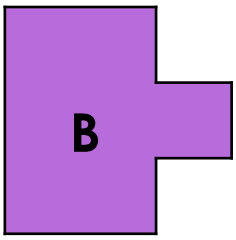
5b. Measure the perimeter of this shape.



E VF

6a. Match the shape to its perimeter.

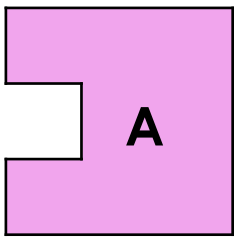


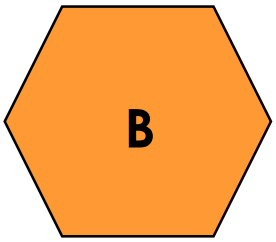


9cm | 14cm | 12cm

E VF

6b. Match the shape to its perimeter.

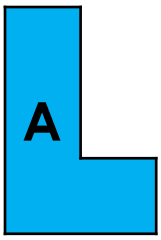


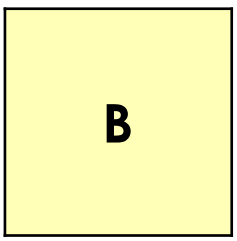


14cm | 16cm | 12cm

E VF

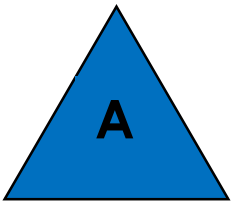
7a. Which shape has the longest perimeter?

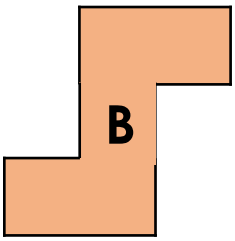




E VF

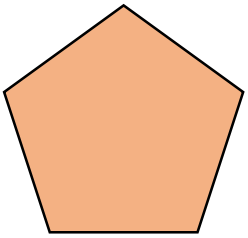
7b. Which shape has the longest perimeter?





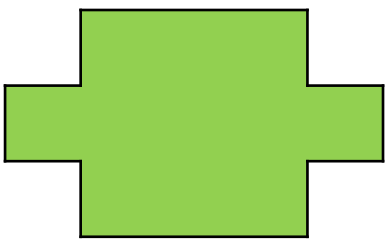
E VF

8a. True or false? The perimeter of this shape is 12cm.



E VF

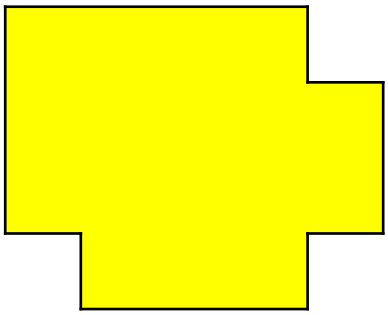
8b. True or false? The perimeter of this shape is 16cm.



E VF

Measure Perimeter

9a. Measure the perimeter of this shape.



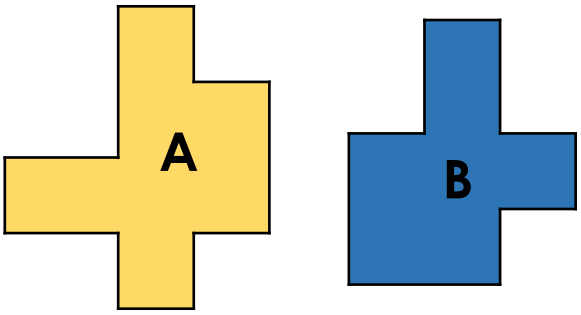
GD VF

Measure Perimeter

9b. Measure the perimeter of this shape.

GD VF

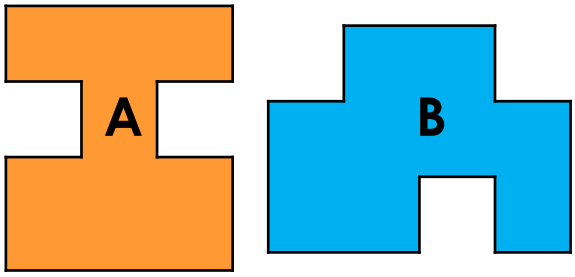
10a. Match the shape to its perimeter.



13cm | 15cm | 11cm

GD VF

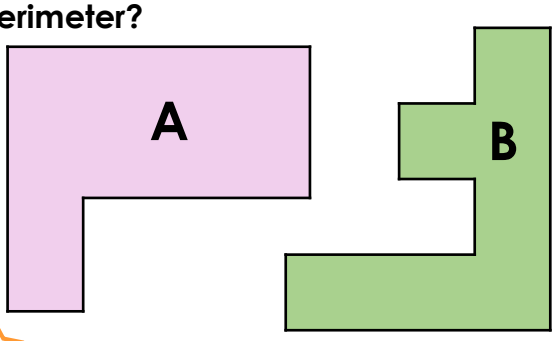
10b. Match the shape to its perimeter.



14cm | 16cm | 17cm

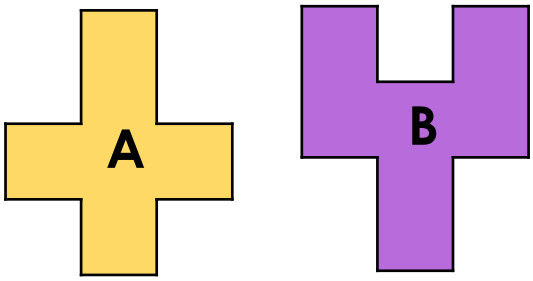
GD VF

11a. Which shape has the longest perimeter?



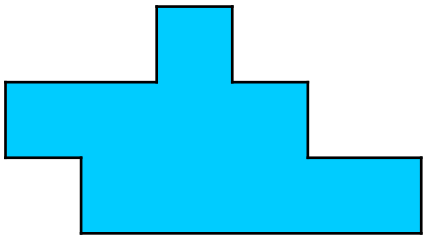
GD VF

11b. Which shape has the longest perimeter?



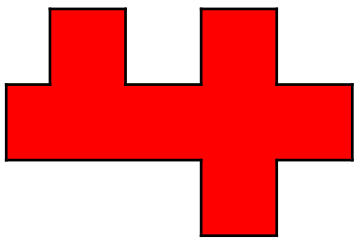
GD VF

12a. True or false? The perimeter of this shape is 19cm.



GD VF

12b. True or false? The perimeter of this shape is 17cm.



GD VF

Varied Fluency
Measure Perimeter

Developing
1a. 12cm
2a. A = 12cm, B = 9cm
3a. Shape B: A = 9cm, B = 10cm
4a. False. The perimeter of the shape is 16cm.

Expected
5a. 15cm
6a. A = 9cm, B = 12cm
7a. Shape B: A = 10cm, B = 12cm
8a. False. The perimeter of the shape is 10cm.

Greater Depth
9a. 18cm
10a. A = 15cm, B = 13cm
11a. Shape B: A = 15cm, B = 17cm
12a. False. The perimeter of the shape is 17cm.

Varied Fluency
Measure Perimeter

Developing
1b. 16cm
2b. A = 10cm, B = 16cm
3b. Shape A: A = 12cm, B = 9cm
4b. True

Expected
5b. 14cm
6b. A = 14cm, B = 12cm
7b. Shape B: A = 9cm, B = 12cm
8b. True

Greater Depth
9b. 19cm
10b. A = 17cm, B = 16cm
11b. Shape B: A = 13cm, B = 15cm
12a. True