Homework/Extension
Step 7: Measure Perimeter

<u>Teaching note:</u> Please note that precise measurements are dependant upon printer settings. Please take this into consideration when checking answers. All three questions in the Homework/Extension require children to measure, therefore children must be provided with a ruler.

National Curriculum Objectives:

Mathematics Year 3: (3M7) <u>Measure the perimeter of simple 2-D shapes</u>

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Measure the shapes and complete the comparison statement using the signs. Includes the use of rectangles and squares and scaffold provided.
Expected Measure the shapes and complete the comparison statement using the signs. Includes the use of rectangles and regular polygons.
Greater Depth Measure the shapes and complete the comparison statement using the signs. Includes the use of irregular polygons.

Questions 2, 5 and 8 (Varied Fluency)
Developing Measure the perimeter of the shapes and match them to the correct measurement. Includes the use of rectangles and squares.
Expected Measure the perimeter of the shapes and match them to the correct measurement. Includes the use of rectangles and regular polygons.
Greater Depth Measure the perimeter of the shapes and match them to the correct measurement. Includes the use of irregular polygons and measurements given in mm.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Determine if the statement is correct by measuring the shapes provided. Includes measuring the perimeter of a square and rectangle only.
Expected Determine if the statement is correct by measuring the shapes provided. Includes measuring the perimeter of a rectangle and a regular polygon.
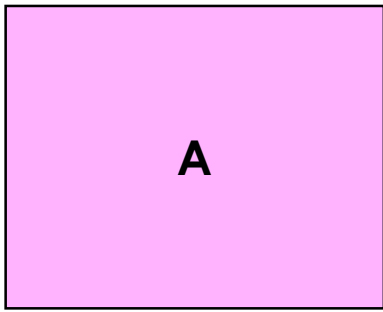**Greater Depth** Determine if the statement is correct by measuring the shapes. Includes measuring the perimeter of irregular polygons in mm.
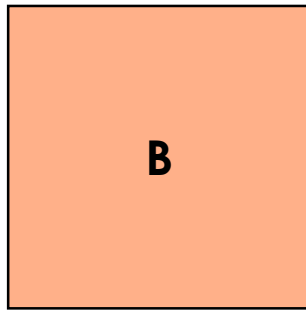
More <u>Year 3 Length and Perimeter</u> resources.

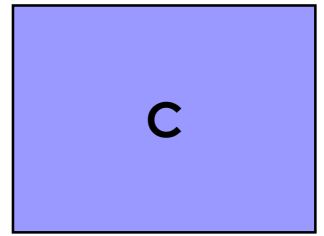Did you like this resource? Don't forget to <u>review</u> it on our website.

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Measure Perimeter

1. Using a ruler, measure the perimeter of each shape. Insert <, > or = to complete the comparison statement below.
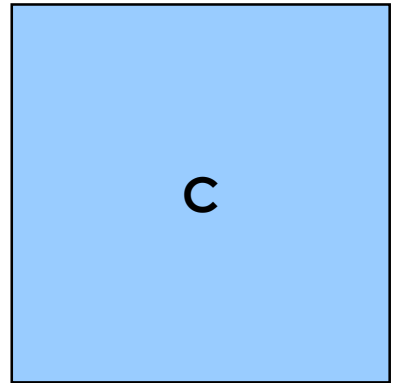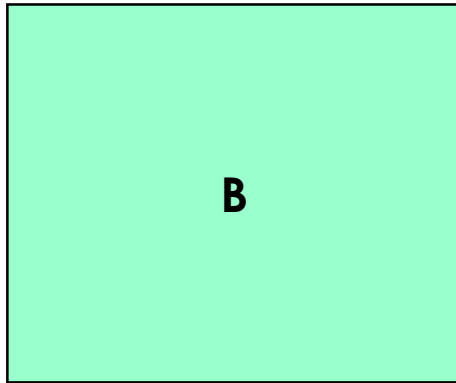
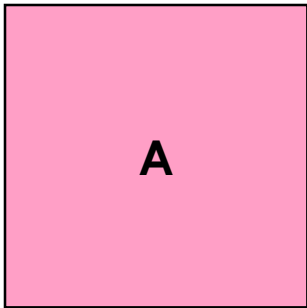| A	B	C
_____cm	_____cm	_____cm

A _____ B _____ C

2. Using a ruler, measure and match the shape to its perimeter.
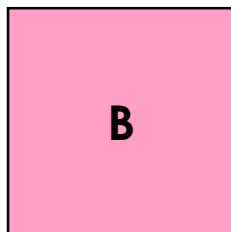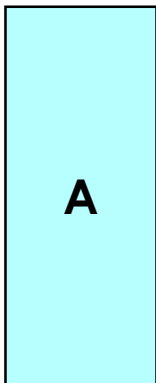
A	B	C

| 20cm | 22cm | 16cm | 24cm |

3. Josh is comparing the perimeters of the shapes below.

A

B

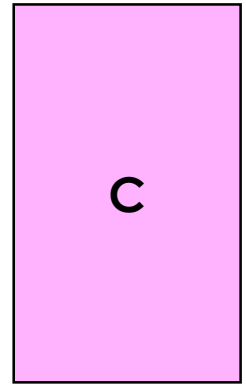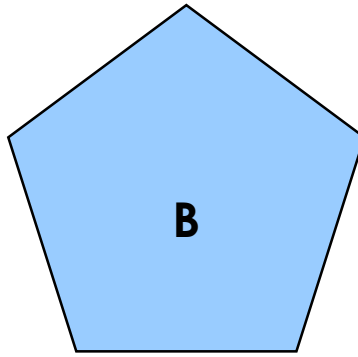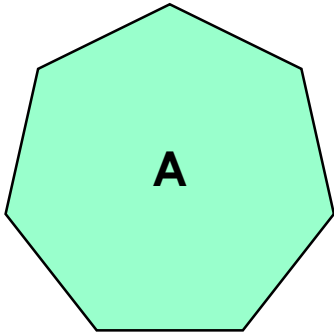I think shape A has a smaller perimeter because it is thinner.

Is he correct?
Convince me, using a ruler to measure each shape.

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Homework/Extension – Measure Perimeter – Year 3 Developing
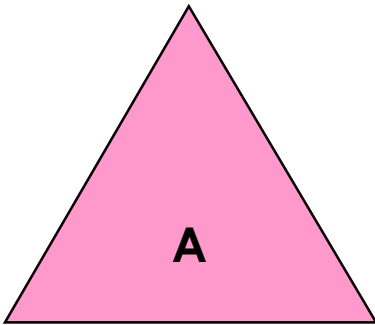
Measure Perimeter

4. Using a ruler, measure the perimeter of each shape. Insert <, > or = to complete the comparison statement below.
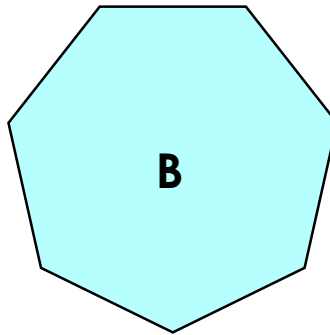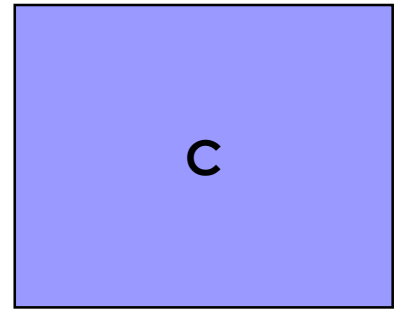
A

B

C

A ____ B ____ C

VF
HW/Ext

5. Using a ruler, measure and match the shape to its perimeter.

A

B

C

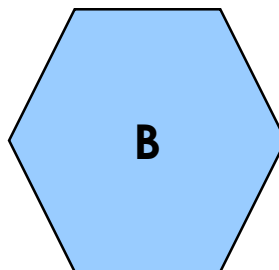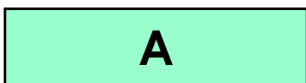| 14cm | 16cm | 18cm | 15cm |

VF
HW/Ext

6. Farah is comparing the perimeters of the shapes below.

A

B

I think shape A has a greater perimeter because it is longer.
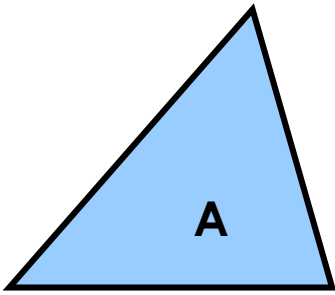
Is she correct?
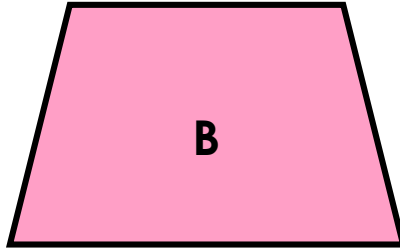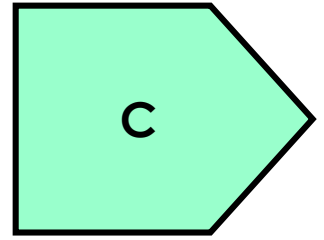**Convince me, using a ruler to measure each shape.**

RPS
HW/Ext

Homework/Extension – Measure Perimeter – Year 3 Expected

Measure Perimeter

7. Using a ruler, measure the perimeter of each shape in mm. Insert <, > or = to complete the comparison statement below.
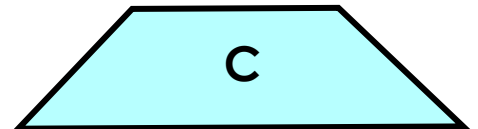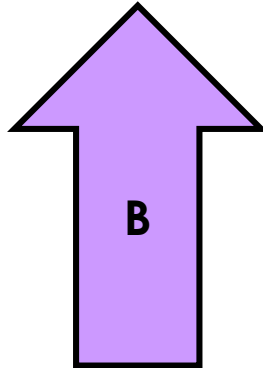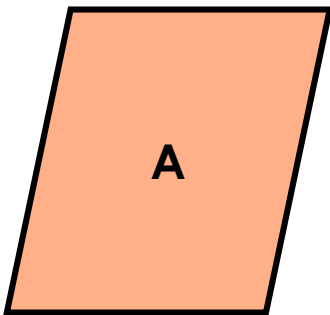
A ⬚   B ⬚   C ⬚

A _____ B _____ C

8. Using a ruler, measure and match the shape to its perimeter.

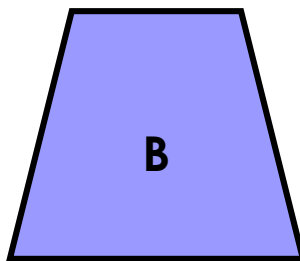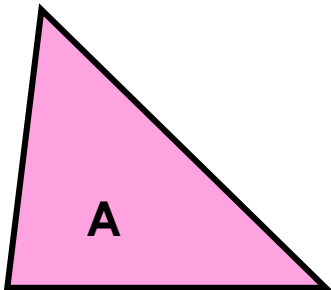A   B   C

137mm   **145mm**   **132mm**   **154mm**

9. Chris is comparing the perimeters of the shapes below.

A   B

I think shape B has a greater perimeter than shape A because it has more sides.

Is he correct?
Convince me, using a ruler to measure each shape in mm.

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Homework/Extension – Measure Perimeter – Year 3 Greater Depth

Developing

1. A: 18cm; B: 16cm; C: 14cm. A > B > C.
2. A: 16cm; B: 22cm; C: 20cm
3. No, Josh is incorrect because shape A's perimeter is 14cm and shape B's perimeter is 12cm. Shape A has a greater perimeter than shape B.

Expected

4. A: 14cm; B: 15cm; C: 16cm. A < B < C.
5. A: 15cm; B: 14cm; C: 18cm
6. No, Farah is incorrect because shape A's perimeter is 10cm and shape B's perimeter is 12cm. Shape B has a greater perimeter than shape A.

Greater Depth

7. A: 134mm; B: 158mm; C: 124mm. A < B > C.
8. A: 154mm; B: 145mm; C: 137mm
9. No, Chris is incorrect because shape A's perimeter is 136mm and shape B's perimeter is 133mm. Shape A has a greater perimeter than shape B.