Varied Fluency
Step 7: Measure Perimeter

National Curriculum Objectives:

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

Differentiation:

Developing Questions to support measuring the perimeter of rectangles.
Expected Questions to support measuring the perimeter of rectilinear shapes with 6 sides.
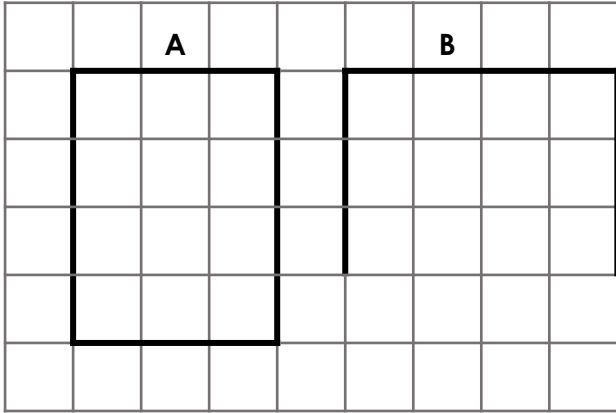**Greater Depth** Questions to support measuring the perimeter of rectilinear shapes with 8 sides. Includes converting measurements (mm to cm).

More resources which follow the same small steps as White Rose.

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

Measure Perimeter

Measure Perimeter

1a. Which shape has a complete perimeter of 14cm?
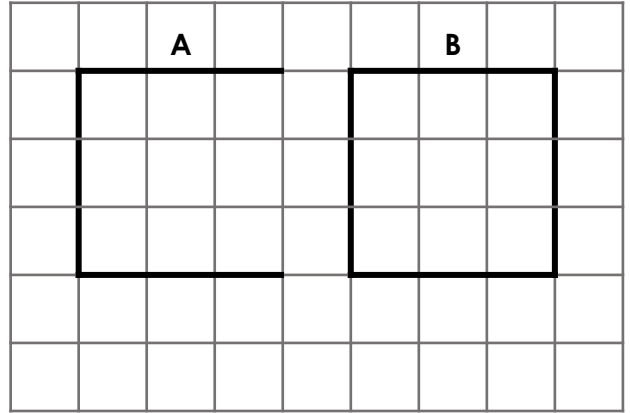
A   B

cm squares not to scale   VF
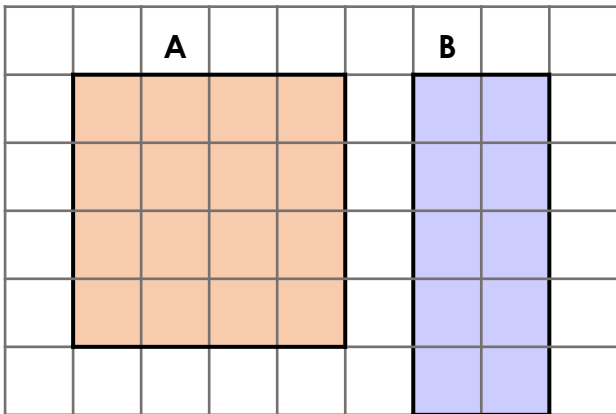
1b. Which shape has a complete perimeter of 12cm?

A   B

cm squares not to scale   VF

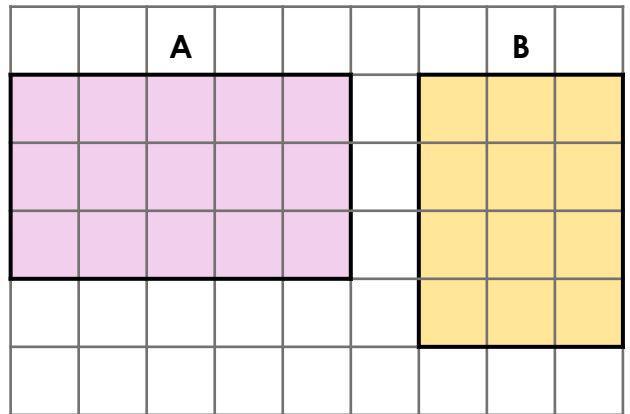**2a.** Circle the shape with the longest perimeter.

A   B

cm squares not to scale   VF
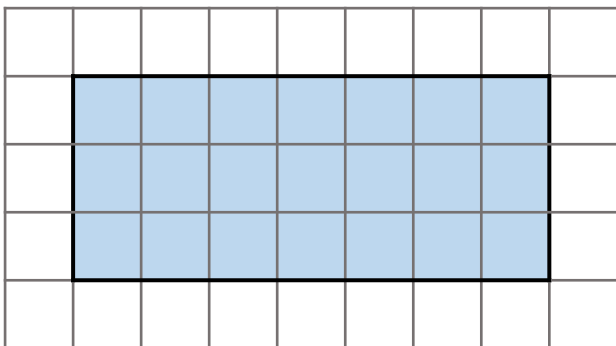
2b. Circle the shape with the shortest perimeter.

A   B

cm squares not to scale   VF

3a. Find the perimeter of the shape below.
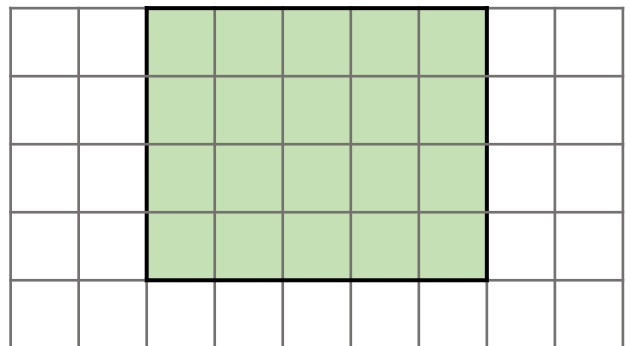
The perimeter is ☐ cm.

cm squares not to scale   VF

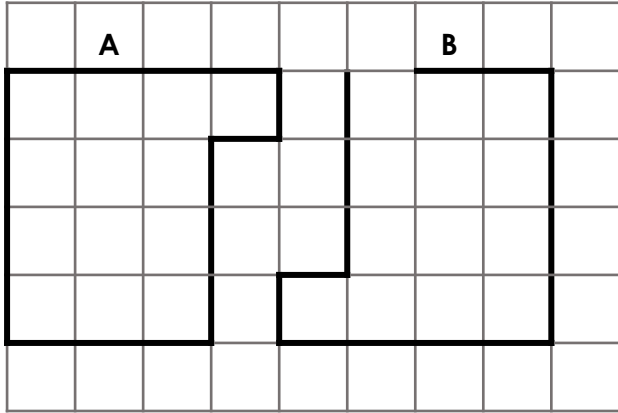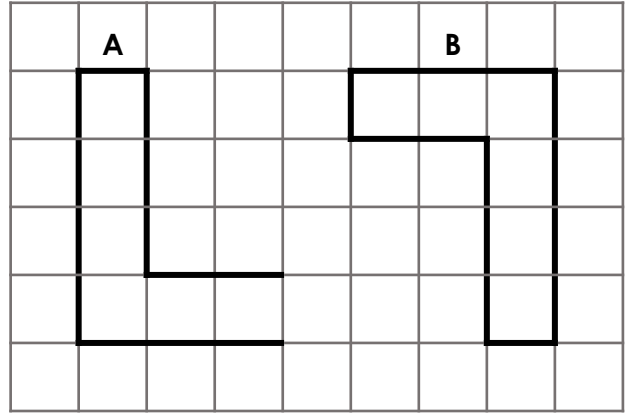**3b.** Find the perimeter of the shape below.

The perimeter is ☐ cm.

cm squares not to scale   VF

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Varied Fluency – Measure Perimeter – Year 3 Developing

Measure Perimeter

Measure Perimeter

4a. Which shape has a complete perimeter of 16cm?

A   B

VF

4b. Which shape has a complete perimeter of 14cm?

A   B

VF

5a. Circle the shape with the longest perimeter.

A   B

VF

5b. Circle the shape with the shortest perimeter.

A   B
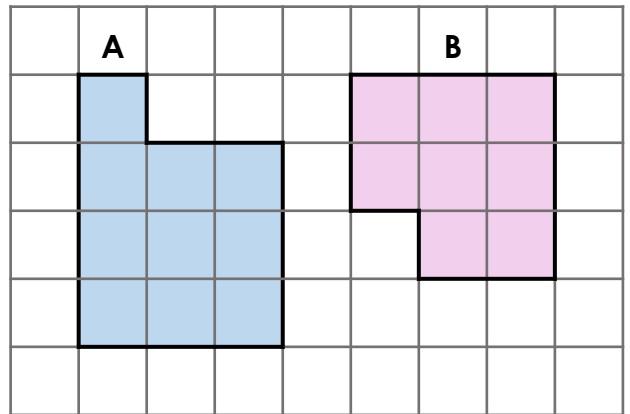
VF

6a. Find the perimeter of the shape below.

The perimeter is [ ] cm.

VF

6b. Find the perimeter of the shape below.

The perimeter is [ ] cm.

VF

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Varied Fluency – Measure Perimeter – Year 3 Expected
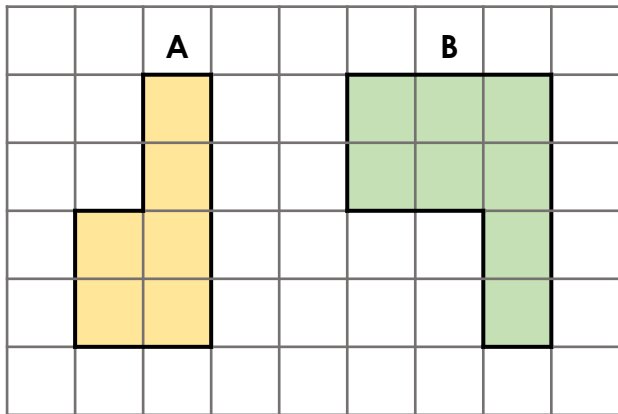
Measure Perimeter

7a. Which shape has a complete perimeter of 160mm?

A   B

cm squares not to scale   VF

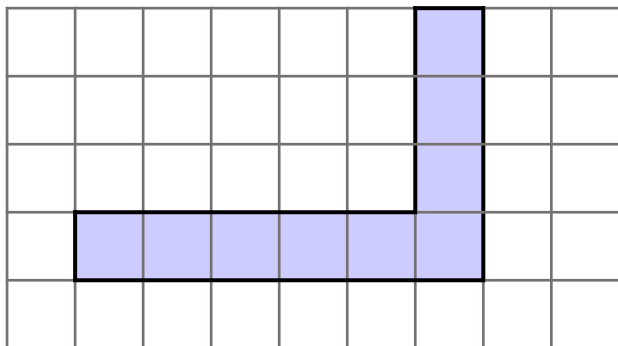**8a.** Circle the shape with the longest perimeter. Write its perimeter in mm.
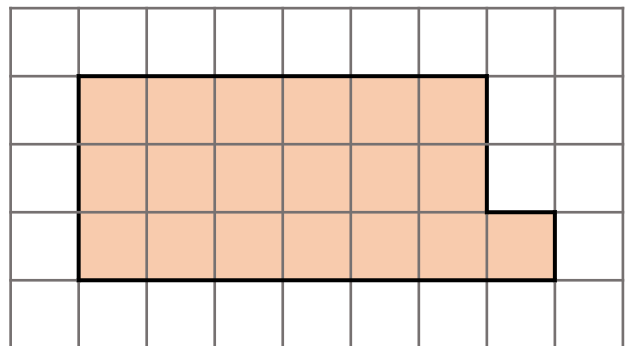
A   B

cm squares not to scale   VF

9a. Find the perimeter of the shape below.
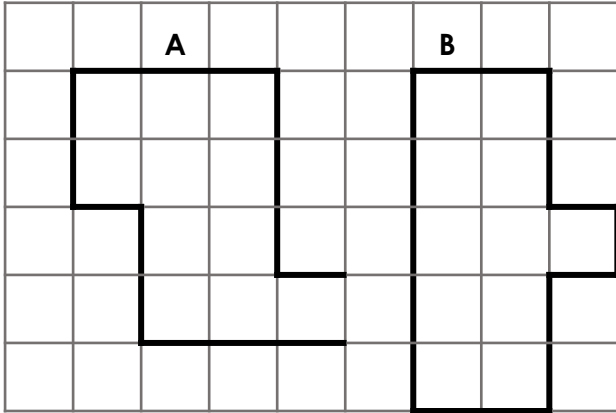
The perimeter is ☐ mm.

cm squares not to scale   VF

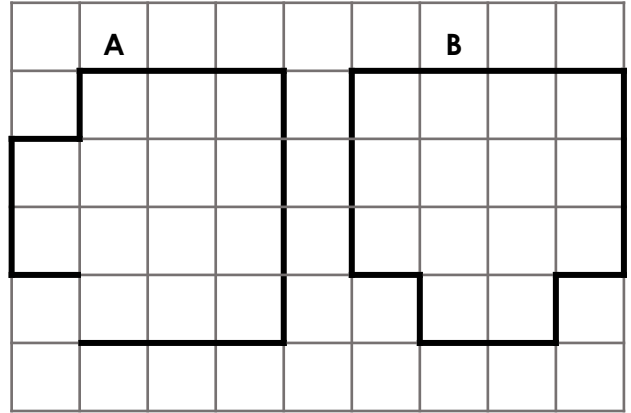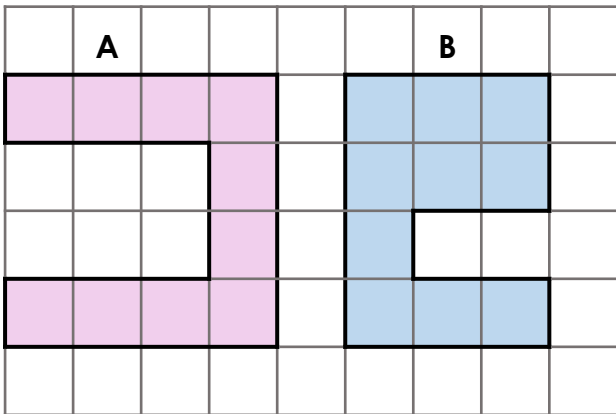# Measure Perimeter

7b. Which shape has a complete perimeter of 160mm?
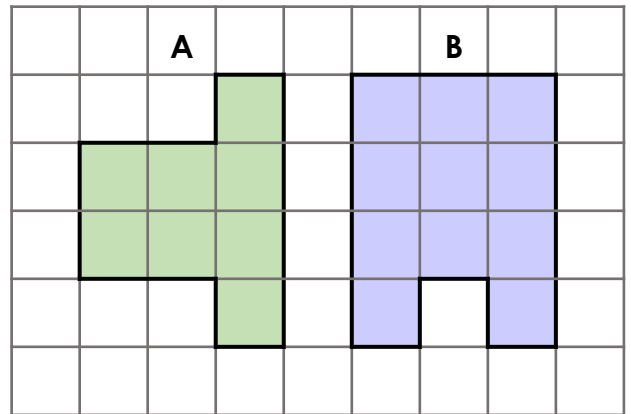
A   B

cm squares not to scale   VF
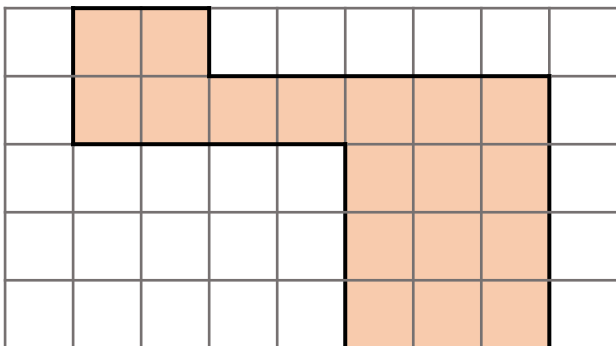
8b. Circle the shape with the shortest perimeter. Write its perimeter in mm.

A   B

cm squares not to scale   VF

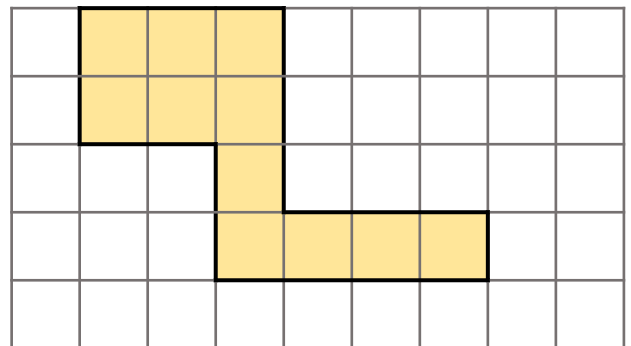**9b.** Find the perimeter of the shape below.

The perimeter is ☐ mm.

cm squares not to scale   VF

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Varied Fluency – Measure Perimeter – Year 3 Greater Depth

Varied Fluency
Measure Perimeter

Developing

1a. **A**
2a. **A**
3a. **20**

Expected

4a. **A**
5a. **B**
6a. **20**

Greater Depth

7a. **B**
8a. **A, 220mm**
9a. **240**

Developing

1b. **B**
2b. **B**
3b. **18**

Expected

4b. **B**
5b. **B**
6b. **20**

Greater Depth

7b. **B**
8b. **A, 140mm**
9b. **200**

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Varied Fluency – Measure Perimeter ANSWERS