Varied Fluency Step 4: Perimeter of Rectilinear Shapes

National Curriculum Objectives:

Mathematics Year 4: (4M7a) <u>Measure and calculate the perimeter of a rectilinear figure</u> (including squares) in centimetres and metres

Differentiation:

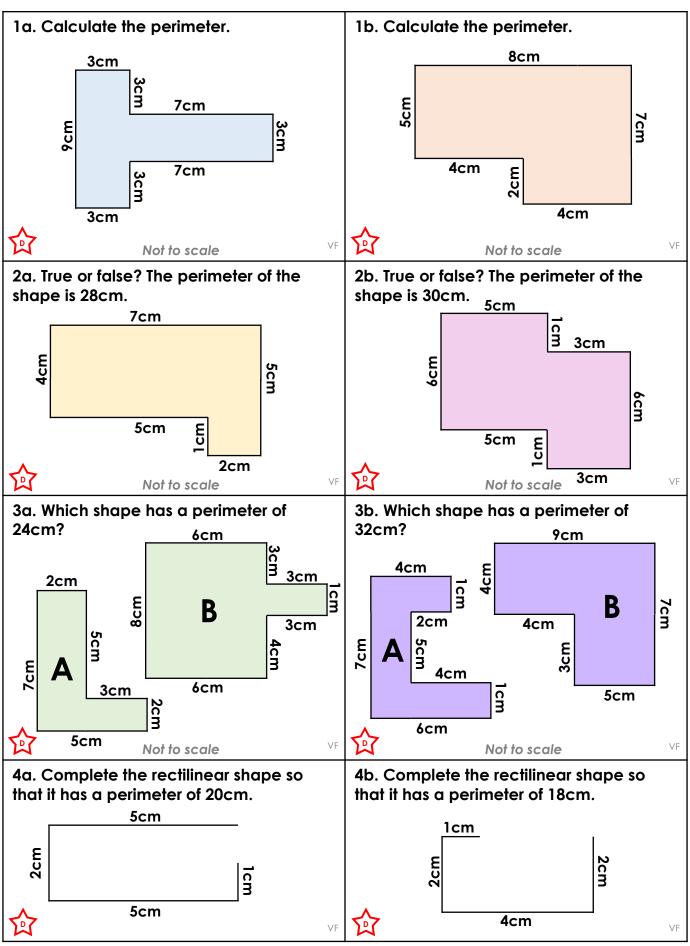
Developing Questions to support adding single-digit numbers to calculate the perimeter of simple rectilinear shapes where the measurements of all sides are given and are in cm. Expected Questions to support adding single-digit numbers to calculate the perimeter of rectilinear shapes where not all measurements are given. Measurements are given in cm and mm (no conversion needed).

Greater Depth Questions to support adding single and double-digit numbers to calculate the perimeter of more complex rectilinear shapes where not all measurements are given. Measurements are given in cm and mm (conversion needed).

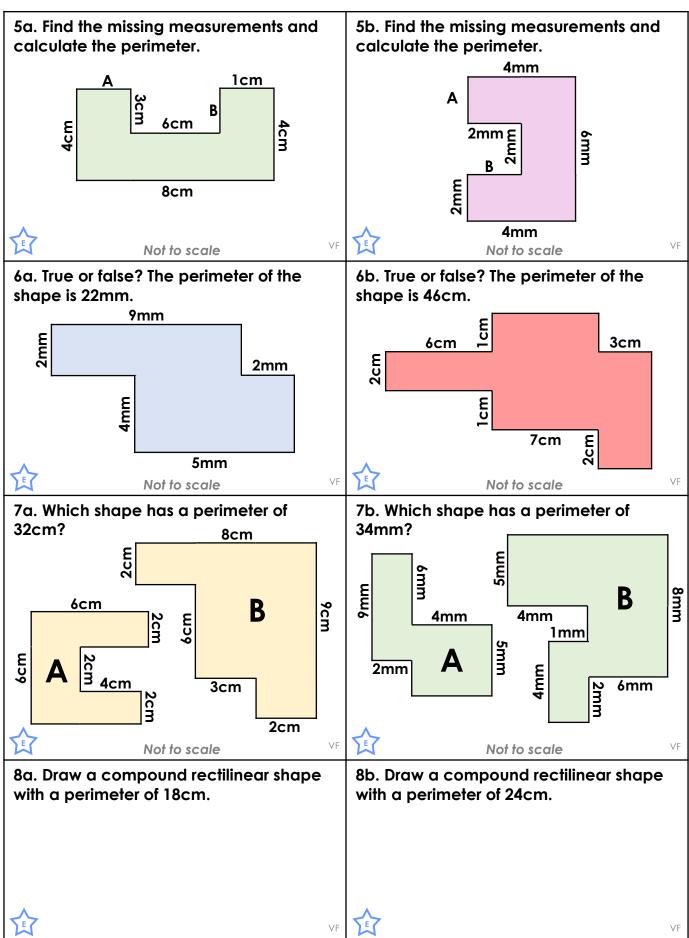
More <u>Year 4 Length and Perimeter</u> resources.

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

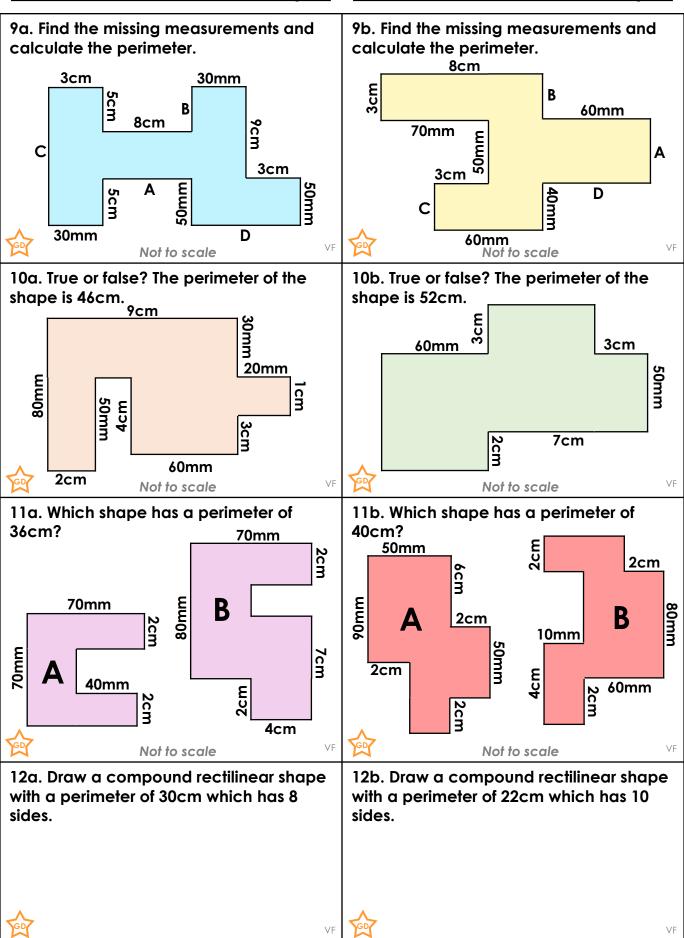
<u>Perimeter of Rectilinear Shapes</u> <u>Perimeter of Rectilinear Shapes</u>



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Developing

1a. 38cm

2a. False, the perimeter is 24cm.

3a. A

4a. Any completed rectilinear shape with a perimeter of 20cm, for example:



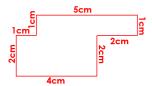
Developing

1b. 30cm

2b. True

3b. B

4b. Any completed rectilinear shape with a perimeter of 18cm, for example:



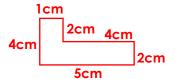
Expected

5a. A = 1cm, B = 3cm; 30cm perimeter

6a. False; the perimeter is 32mm.

7a. 🗛

8a. Any compound rectilinear shape with a perimeter of 18cm, for example:



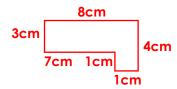
Expected

5b. A = 2mm, B = 2mm; perimeter of 24mm

6b. False; the perimeter is 44cm.

7b. /

8b. Any rectilinear shape with a perimeter of 24cm, for example:



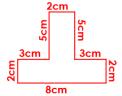
Greater Depth

9a. A = 8cm, B = 5cm, C = 14cm, D = 6cm; 82cm (820mm) perimeter.

10a. True

11a. A

12a. Any compound rectilinear shape with a perimeter of 30cm and 8 sides, for example:



Greater Depth

9b. A = 5cm, B = 3cm, C = 4cm, D = 6cm; 60cm (600mm) perimeter.

10b. False, the perimeter is 46cm.

11b. A and B

12b. Any compound rectilinear shape with a perimeter of 22cm and 10 sides, for example:

