Test - Perimeter and area

Year: Year 4 · Duration: 35 minutes · /20

Name:	Date:	**Mark: /20**

Question	1	2	3	4	5	Total
marks	4	4	4	4	4	**20**
Mark						

Show your working.

Question 1 (4 marks)

Question 1 – Perimeter

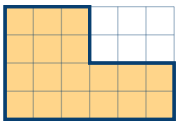
Find the perimeter of each shape.

a. A rectangle 13 cm by 8 cm (2 marks)
b. A square with sides of 7 m (1 mark)
c. A rectangle has a perimeter of 40 cm and a width of 6 cm. Find its length. (1 mark)

Question 2 (4 marks)

Question 2 – Area

The shape is made of squares of side 1 cm.



a. Find the area of the shape by splitting it into two rectangles. (2 marks)
b. Find the area of a rectangle 11 cm by 6 cm. (1 mark)
c. Find the perimeter of the shape. (1 mark)

Question 3 (4 marks)

Question 3 – Same perimeter

Two rectangles each have a perimeter of 20 cm. Rectangle A is 9 cm by 1 cm. Rectangle B is 5 cm by 5 cm.

a. Check that each rectangle has a perimeter of 20 cm. (2 marks)
b. Find the area of each rectangle. (1 mark)
c. Which has the bigger area and by how much? (1 mark)

Question 4 (4 marks)

Question 4 – The new carpet

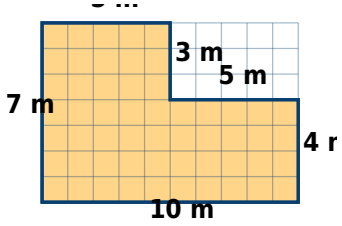
A hall is a rectangle 6 m long and 3 m wide. Carpet costs £15 per square metre.

a. What is the area of the hall floor? (1 mark)
b. What does it cost to carpet the hall? (2 marks)
c. A strip of gold edging goes round the edge of the hall. How long is the strip? (1 mark)

Question 5 (4 marks)

Question 5 – The school garden

The school garden is an L-shape. The plan is below and all the corners are right angles.



a. Find the perimeter of the garden. (2 marks)
b. Find the area of the garden. (2 marks)
c. Grass seed costs £2 for every 5 m². What does it cost to seed the whole garden? (1 mark, bonus: if the area is not a multiple of 5, round up.)