

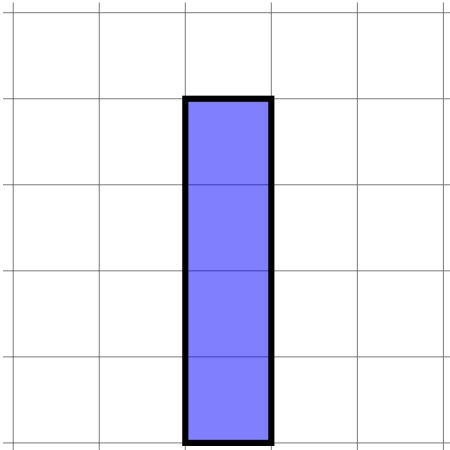
# Area and perimeter

Name:	Class:	Date:
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1) Find the area and perimeter of the shape. Each square on the grid is  $1 \text{ cm}^2$ .

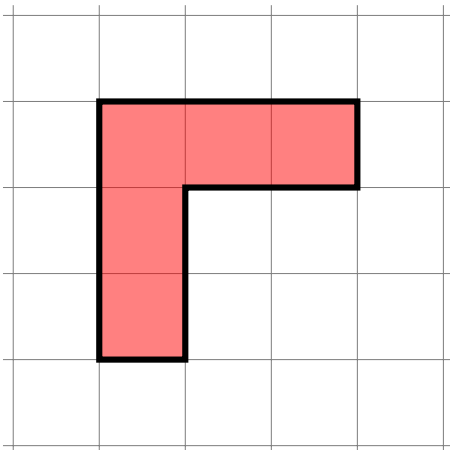
[1]



Area =   $\text{cm}^2$     Perimeter =  cm

2) Find the area and perimeter of the shape. Each square on the grid is  $1 \text{ cm}^2$ .

[1]



Area =   $\text{cm}^2$     Perimeter =  cm

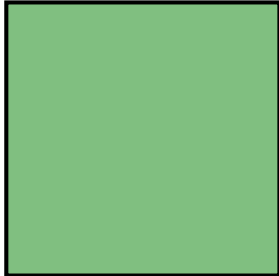
3) A square has sides of length 20 cm. Find its perimeter.

[1]

Perimeter =  cm

4) Find the area of the square.

[1]



*8 cm*

Area =  cm<sup>2</sup>

5) The length of a rectangle is 12 cm and its width is 3 cm.

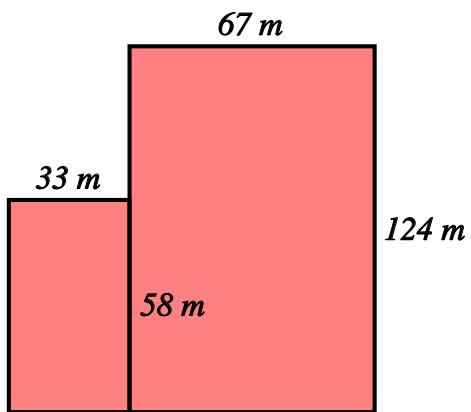
[1]

(a) What is the **area** of the rectangle?  cm<sup>2</sup>

(b) What is its **perimeter**?  cm

6) Here is a figure made of two rectangles.

[1]



(a) What is the **area** of the figure?   $\text{cm}^2$

(b) What is the **perimeter** of the figure?  cm

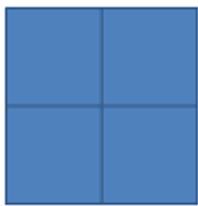
(c) How much greater is the area of the figure than its perimeter?

7) The tile pattern below is made from 4 squares.

[1]

The edge of one square is 8 cm.

Calculate the perimeter of the pattern.  cm



8) The tile pattern below is made from 4 regular octagons.  
The edge of one regular octagon is 6 cm.

[1]

Calculate the perimeter of the pattern.

 cm

### Solutions for the assessment Area and perimeter

1) Area =  $4 \text{ cm}^2$ , Perimeter = 10 cm

2) Area =  $5 \text{ cm}^2$ , Perimeter = 12 cm

3) 80

4) Area =  $64 \text{ cm}^2$

5) a) Area =  $36 \text{ cm}^2$ , b) Perimeter = 30cm

6) Area =  $10222 \text{ m}^2$ , Perimeter = 448m, Difference = 9774

7) Perimeter = 64 cm

8) Perimeter = 144 cm