Area and perimeter

Mark	/ 8	%

1) Find the area and perimeter of the shape. Each square on the grid is 1 cm^2. [1]
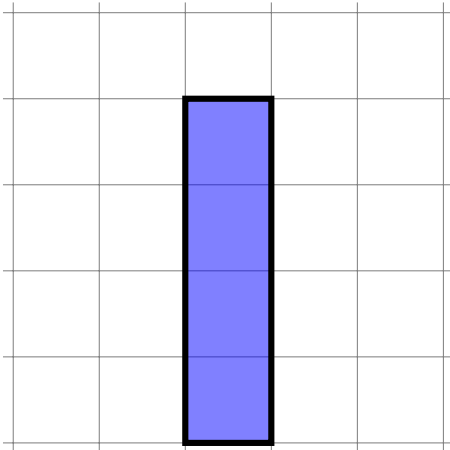
Area = ⬚ cm^2 Perimeter = ⬚ cm

2) Find the area and perimeter of the shape. Each square on the grid is 1 cm^2. [1]
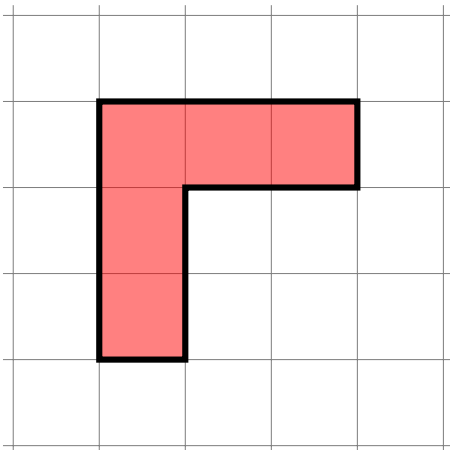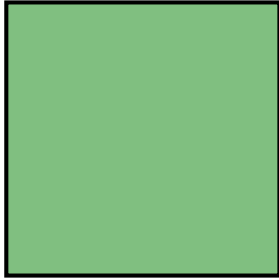
Area = ⬚ cm^2 Perimeter = ⬚ cm

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^2

5) The length of a rectangle is 12 cm and its width is 3 cm. [1]
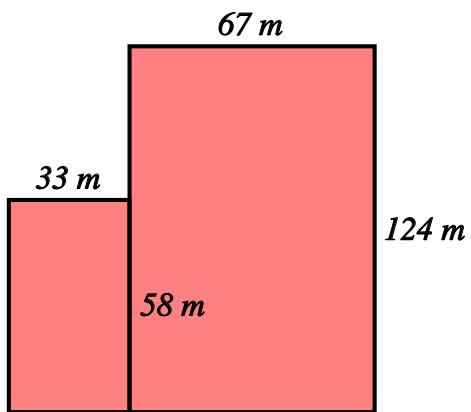
(a) What is the **area** of the rectangle? ☐ cm^2

(b) What is its **perimeter**? ☐ cm

6) Here is a figure made of two rectangles.   [1]

67 m

33 m

124 m

58 m

(a) What is the **area** of the figure? ⬚ cm²

(b) What is the **perimeter** of the figure? ⬚ cm
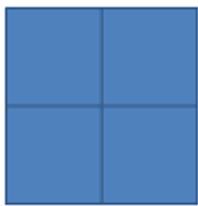
(c) How much greater is the area of the figure than its perimeter? ⬚

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. [1]
The edge of one regular octagon is 6 cm.

Calculate the perimeter of the pattern. ☐ cm

Solutions for the assessment Area and perimeter

1) Area = 4 cm^2, Perimeter = 10 cm

2) Area = 5 cm^2, Perimeter = 12 cm

3) 80

4) Area = 64 cm^2

5) a) Area = 36cm^2, b) Perimeter = 30cm

6) Area = 10222m^2, Perimeter = 448m, Difference = 9774

7) Perimeter = 64 cm

8) Perimeter = 144 cm