

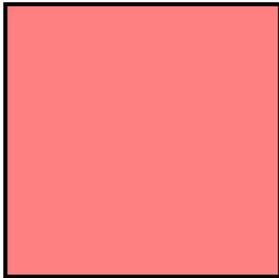
## Perimeter of 2D shapes

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Mark / 12 %

1) Find the perimeter of the square

[1]



*19 cm*

2) Find the perimeter of the rectangle

[1]



*20 cm*

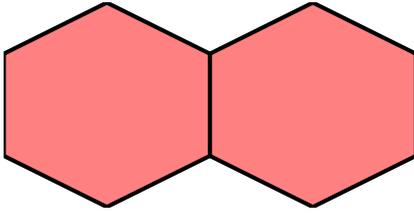
*24 cm*

3) A regular hexagon has sides of length 5 cm. Find its perimeter.

[1]

4) The tile pattern below is made from 2 regular hexagons.  
The total distance around the edge of one regular hexagon is 18 cm.  
Calculate the perimeter of the pattern.

[1]



5) Match each perimeter formula with the correct shape

1.  $P = 4s$

A. Triangle

2.  $P = 2l + 2w$

B. Rectangle

3.  $P = a + b + c$

C. Circle

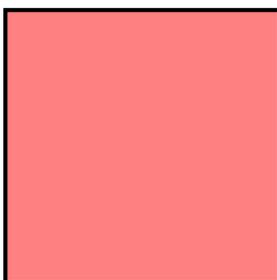
4.  $C = 2\pi r$

D. Square

6) Find the missing length of the square, given that its perimeter is 40 cm

[1]

[1]



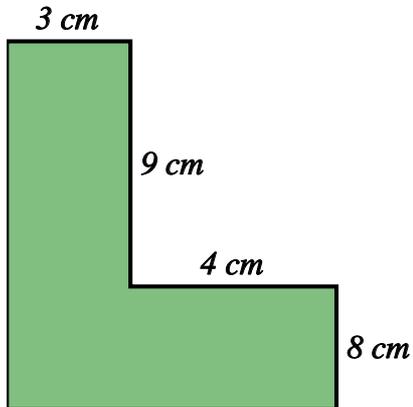
$x \text{ cm}$

7) A square has a perimeter of 80 cm. Find the length of a side of the square.

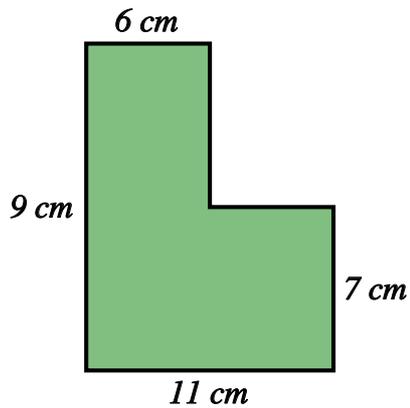
[1]

8) A rectangle has a perimeter of 78 cm and a length of 21 cm. Find its width. [1]

9) Find the perimeter of the shape below. [1]



10) Find the perimeter of the shape below. [1]

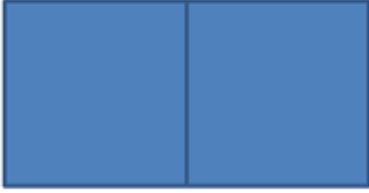


11) The tile pattern below is made from 3 regular octagons. The edge of one regular octagon is 7 cm. Calculate the perimeter of the pattern. [1]



12) The tile pattern below is made from 2 squares.  
The total perimeter of the pattern is 72 cm.  
Calculate the length of an edge of the square.

[1]



**Solutions for the assessment Perimeter of 2D shapes**

1) Perimeter = 76 cm

2) Perimeter = 88 cm

3) Perimeter = 30 cm

4) Perimeter = 33 cm

5) 1 D, 2 B, 3 A, 4 C

6)  $x = 10$  cm

7) Length = 20 cm

8) Width = 18 cm

9) Perimeter = 48 cm

10) Perimeter = 40 cm

11) Perimeter = 140 cm

12) One edge = 4 cm