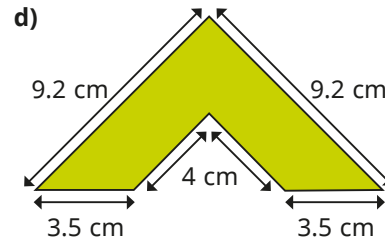
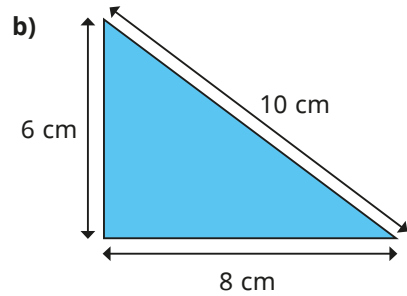
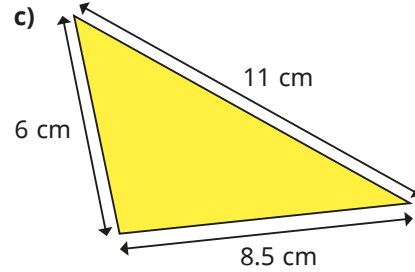
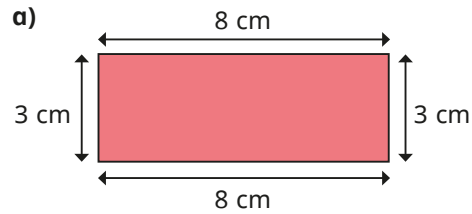
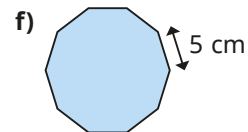
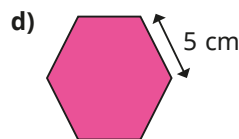
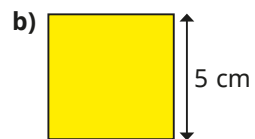
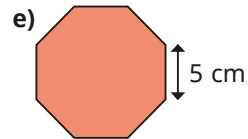
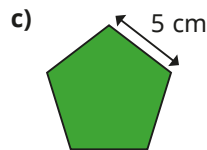
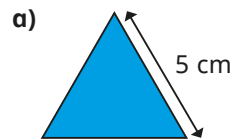


- 1 Calculate the perimeters of the polygons.



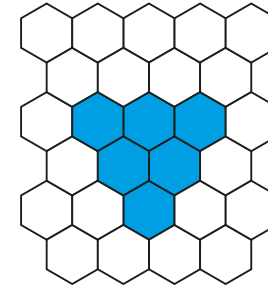
- 2 The side length of each regular polygon is 5 cm.
Work out the perimeters.



How did you do it?

Compare methods with a partner.

- 3 Each regular hexagon on the grid has a side length of 2 cm.

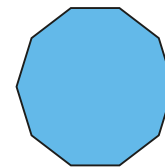


What is the perimeter of the shape?

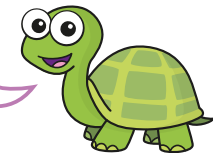
- 4 Three regular polygons each have a perimeter of 120 cm.
What is the side length of each polygon?

- a) square
b) equilateral triangle
c) hexagon

- 5 Tiny measures the total length of four sides of this regular decagon.

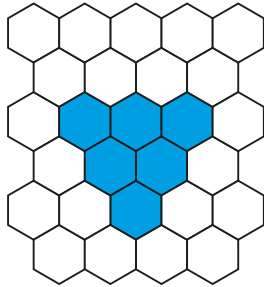


The total
length of four sides
is 22 cm.



Calculate the perimeter of the decagon.

- 3 Each regular hexagon on the grid has a side length of 2 cm.



What is the perimeter of the shape?

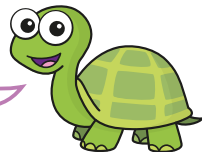
- 4 Three regular polygons each have a perimeter of 120 cm.

What is the side length of each polygon?

- a) square
- b) equilateral triangle
- c) hexagon

- 5 Tiny measures the total length of four sides of this regular decagon.

The total
length of four sides
is 22 cm.

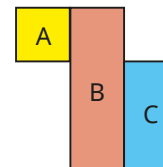


Calculate the perimeter of the decagon.

- 6 A tennis court has a length of 24 m and a width of 11 m.
A football pitch has a length of 105 m and a width of 68 m.
Scott walks around the perimeter of a tennis court four times.
Aisha walks around the perimeter of a football pitch once.
Who walks further?
Show your workings.

- 7 The length of a rectangle is 4 times its width.
The perimeter of the rectangle is 85 mm.
What is the length of the rectangle?

8



- A, B and C are all the same width.
- A is a square with a perimeter of 32 cm.
- B and C are rectangles.
- The length of C is twice the length of A.

Work out the perimeter of the shape.