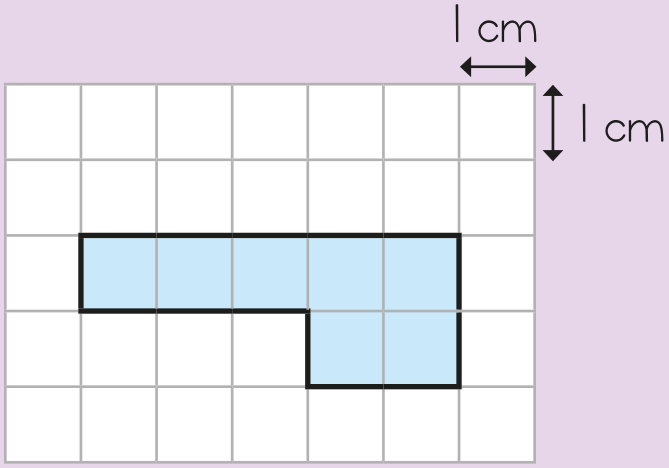
5 PERIMETER AND AREA

From White Rose Maths schemes for Year 5 Autumn Term

BLOCK 5 - PERIMETER AND AREA

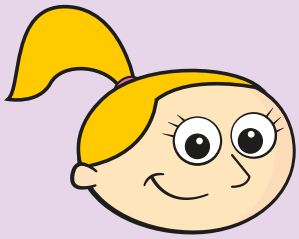
1 The shape is drawn on a centimetre square grid.



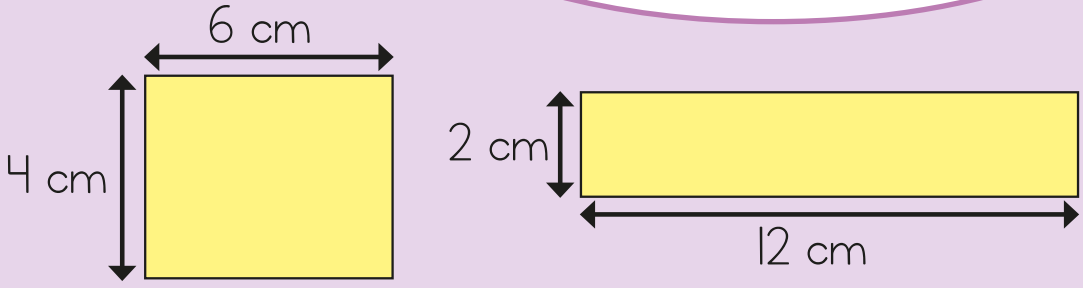
What is the area of the shape? ☐ cm^2

What is the perimeter of the shape? ☐ cm

2

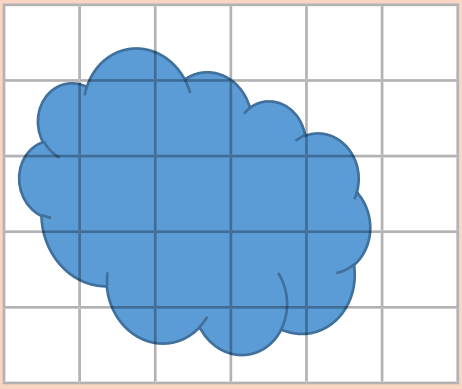


The two rectangles have the same area, so they must have the same perimeter.



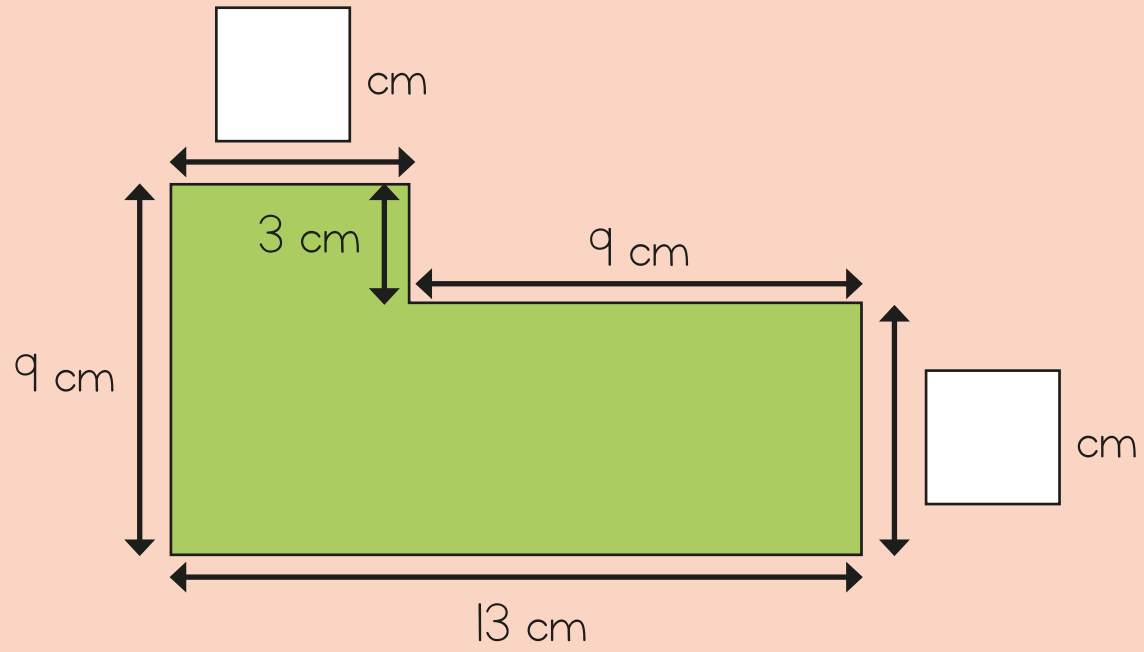
Explain why Eva is wrong.

3 Estimate, in squares, the area of the shape.



squares

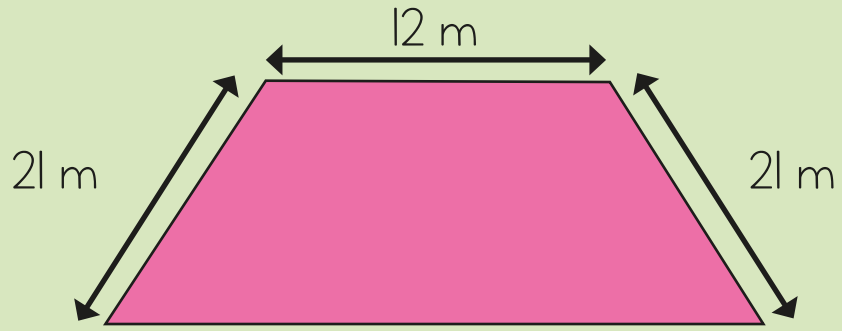
4



Fill in the missing lengths.

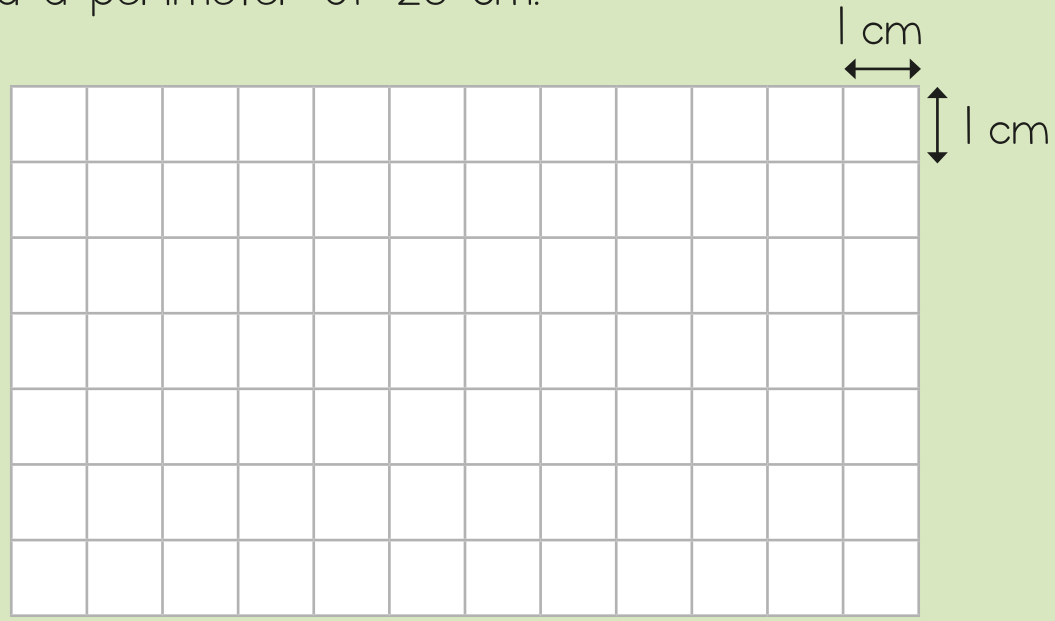
Work out the perimeter of the shape.

5 The perimeter of the shape is 70 m.

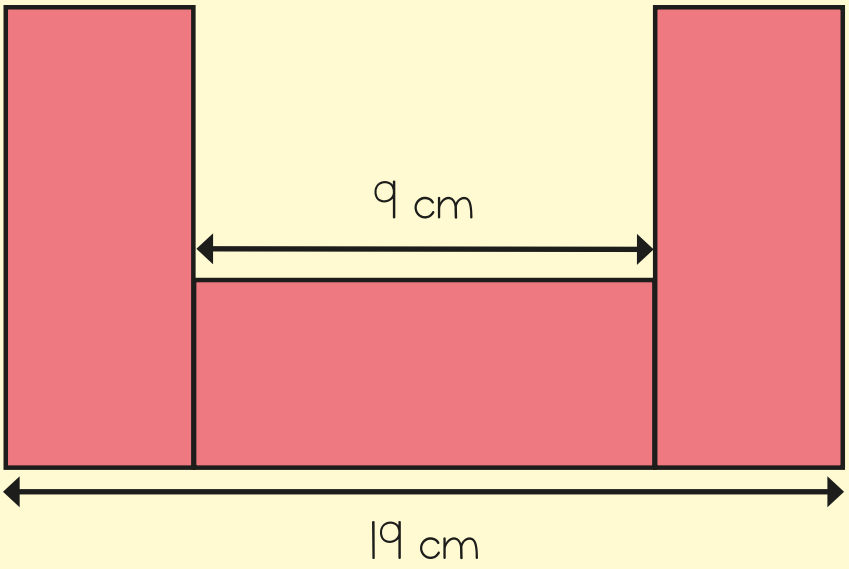


Work out the missing length.

6 Draw a rectangle that has an area of 30 cm^2 and a perimeter of 26 cm.

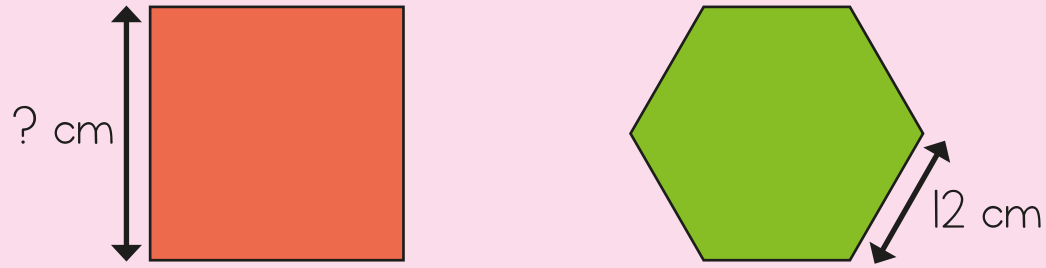


7 The shape is made up of three identical rectangles.



Work out the area of the shape.

8 The square and the regular hexagon have the **same** perimeter.



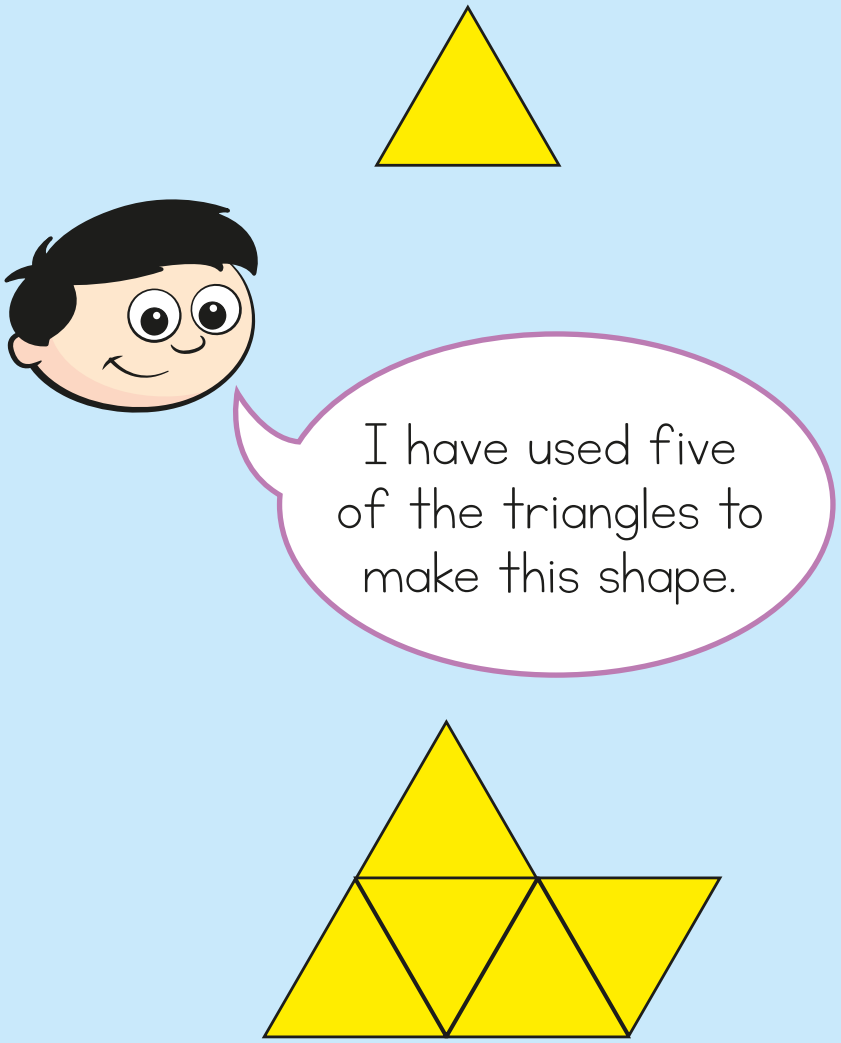
Work out the length of one side of the square.

9 Ms Hall wants to paint a wall measuring 4 m by 9 m.

Each tin of paint covers 5 m^2

How many tins of paint will she need?

10 An equilateral triangle has a perimeter of 18 cm.



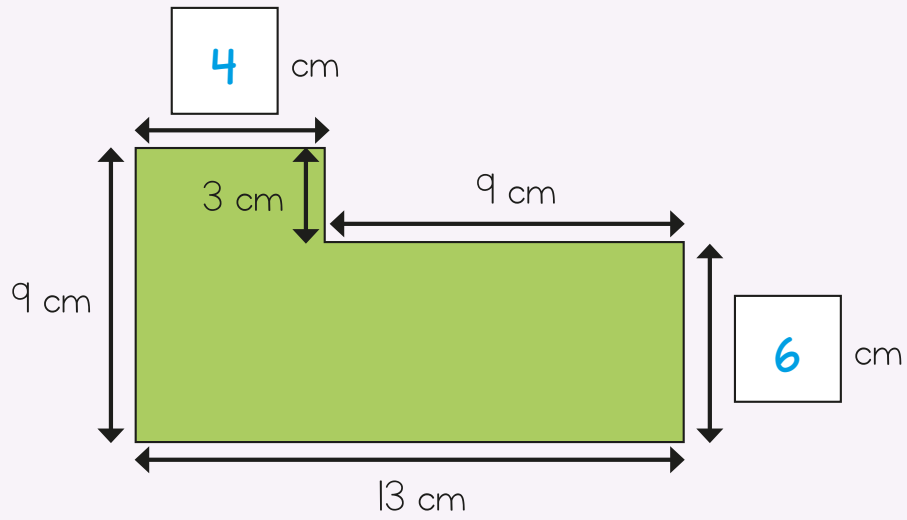
What is the perimeter of the new shape Dexter has made?

Answers

1. 7 cm^2
   14 cm

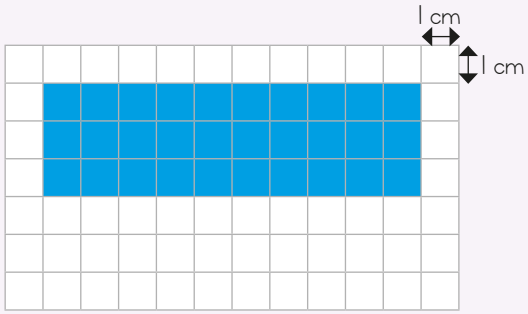
2. Eva is wrong because although the areas are equal, the perimeter of the first rectangle is 20 cm and the second is 28 cm.

3. 14 squares

4. 

   perimeter = 44 cm

5. 16 m

6. 

7. 135 cm^2

8. 18 cm

9. 8 tins

10. 42 cm