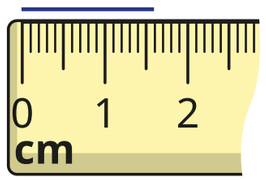
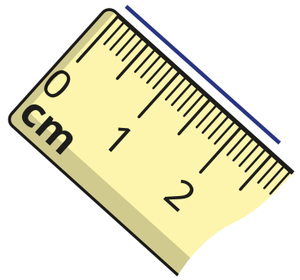
Perimeter of rectangles

1 What is the length of each line?

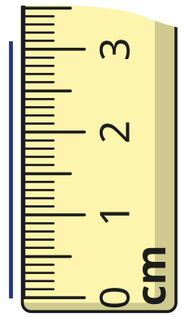
a)



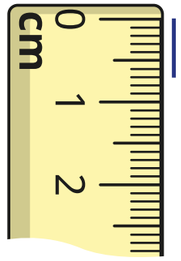
b)



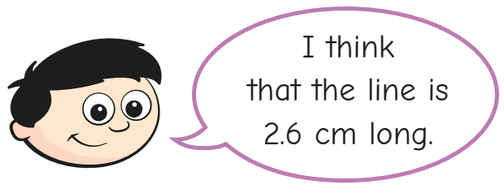
c)

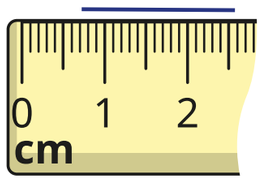


d)



2 Dexter is measuring the length of a line.



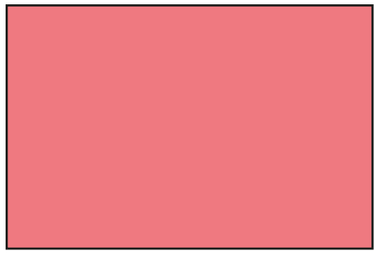


Do you agree with Dexter? _____

Explain why.

3 Measure the sides of each shape to work out the perimeter.

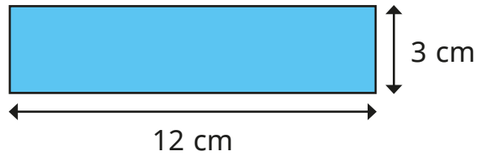
a)



b)

How many sides did you have to measure for each shape?

4 Ron, Dora and Sam are calculating the perimeter of the rectangle.



Ron

12 cm + 3 cm + 12 cm + 3 cm = 30 cm

Dora

12 cm + 3 cm = 15 cm 2 × 15 cm = 30 cm

Sam

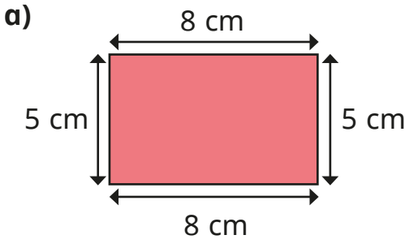
2 × 12 cm = 24 cm 2 × 3 cm = 6 cm

24 cm + 6 cm = 30 cm

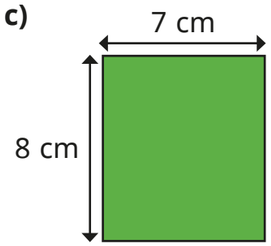
What is the same and what is different about their methods?

5 Work out the perimeters of the rectangles.

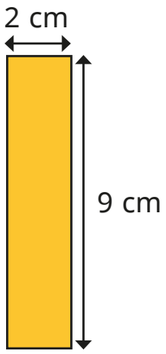
a)



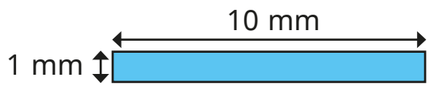
c)



b)

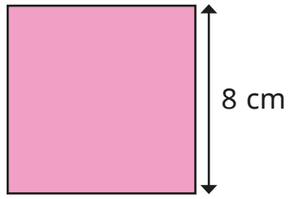


d)

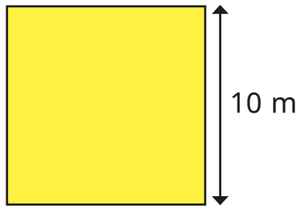


6 Work out the perimeters of the squares.

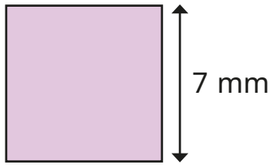
a)



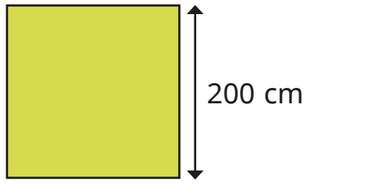
c)



b)



d)

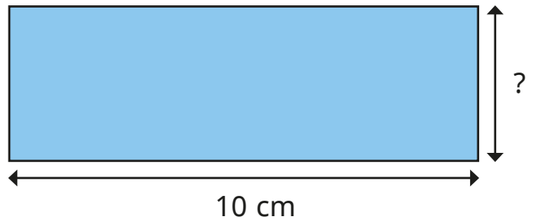


7 Draw and label three different rectangles, each with a perimeter of 18 cm.

They do not need to be drawn to scale.

Compare answers with a partner.

8 The perimeter of the rectangle is 26 cm.



Work out the width of the rectangle.

9 The perimeter of a square is 100 mm.

What is the side length of the square?