→ Textbook 5A p196

Calculating perimeter 1

1 Calculate the perimeter of each of these playing fields. Show your working.

a) (length × 2) + (width × 2)

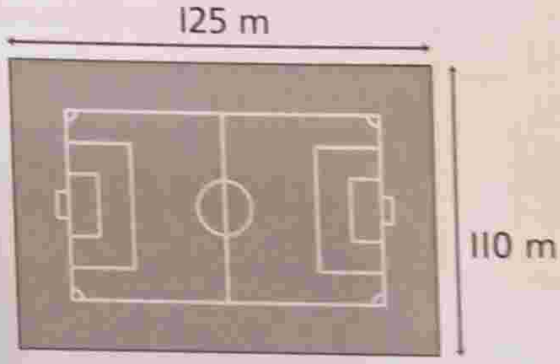
= (☐ × 2) + (☐ × 2)

= ☐ + ☐

= ☐

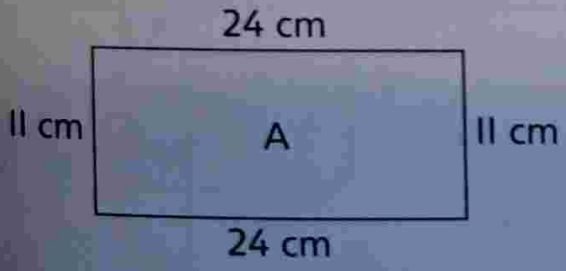
The perimeter of this playing field is ☐ m.

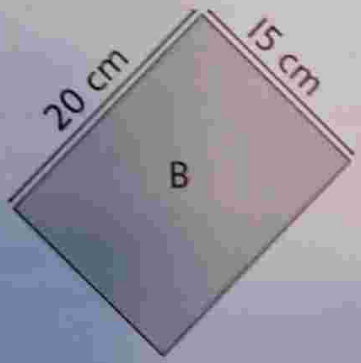
b)

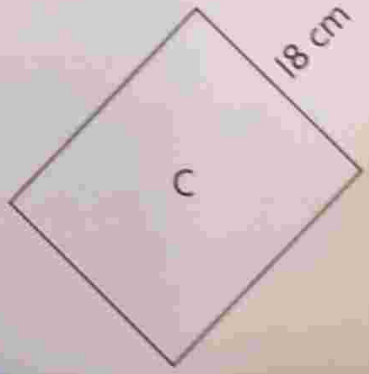


The perimeter of this playing field is ☐ m.

2 Find the perimeter of each rectangle.







The length is 4 cm more than the width.

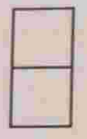
A = ☐ cm B = ☐ cm C = ☐ cm

3 Each square tile has a side length of 10 cm.

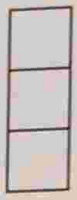
Luis puts tiles together to make different shapes.

A

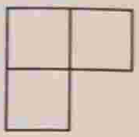
B



C



D



Complete the table.

Shape	Number of tiles used	Perimeter (cm)
A		
B		
C		
D		

4 The perimeter of this rectangle is 50 cm.

What is its length?

I know that a rectangle has two pairs of equal sides. I will start by subtracting the two widths from the perimeter.

The length of the rectangle is ☐ cm.

5 Reena has a piece of wire that is 128 cm long.

She bends it so that it makes a square.

How long is one side of her square?

One side is ☐ cm long.

6 A sports field is a rectangular shape.

It has a perimeter of 180 metres.

What might its dimensions be? Find four possible answers.

CHALLENGE

Reflect

Whose method of finding the perimeter of a rectangle is correct?
Complete each box with a tick or a cross.