

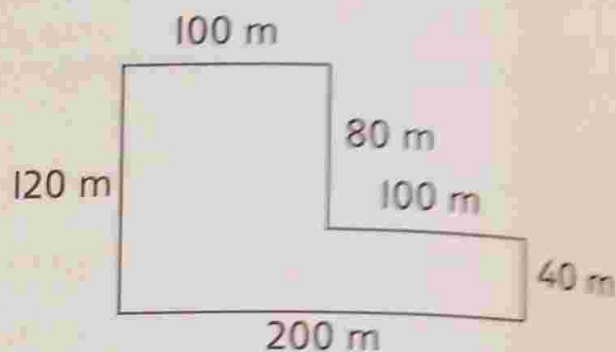
Calculating perimeter 2

- 1 Isla is going on a bike ride. These maps show three different cycle paths she could take. Calculate the length of each path.

Route A

$$\boxed{} + \boxed{} + \boxed{} + \boxed{} + \boxed{} + \boxed{} = \boxed{}$$

Length of Route A = $\boxed{}$ m



Route B

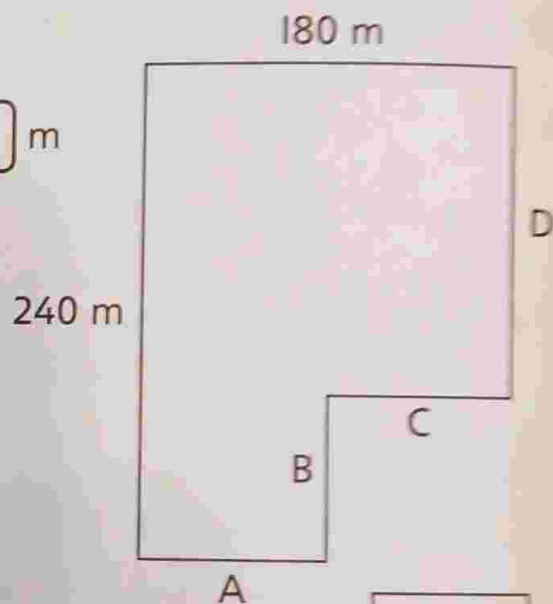
$$A + C = \boxed{} \text{ m} \quad B + D = \boxed{} \text{ m}$$

$$(\boxed{} \times 2) + (\boxed{} \times 2)$$

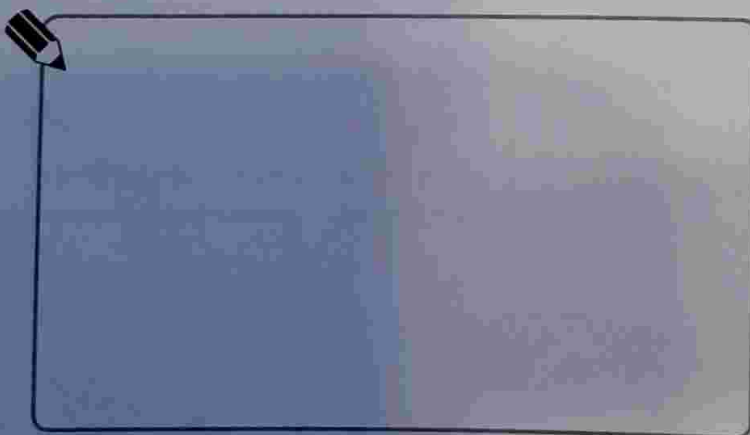
$$= \boxed{} + \boxed{}$$

$$= \boxed{}$$

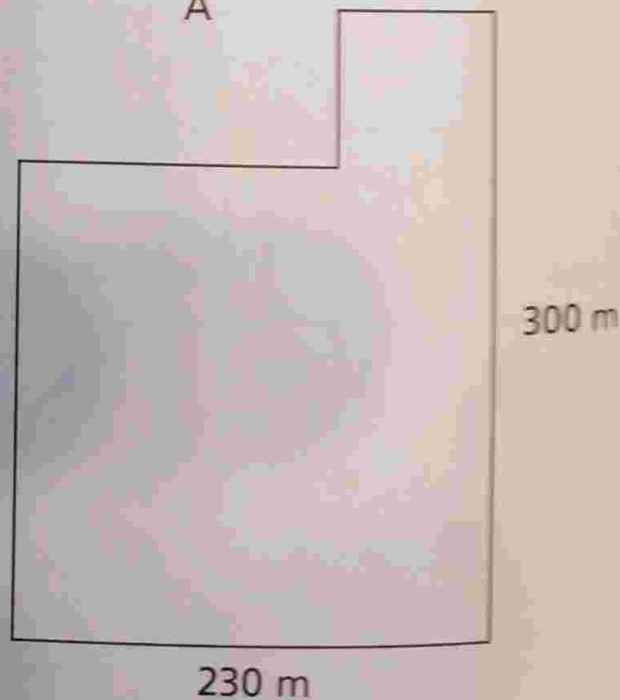
Length of Route B = $\boxed{}$ m



Route C



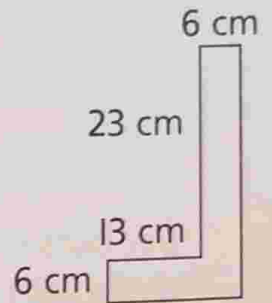
Length of Route C = $\boxed{}$ m



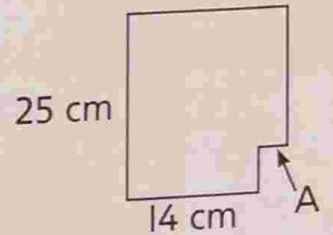
- 2 Calculate the perimeter of this shape.



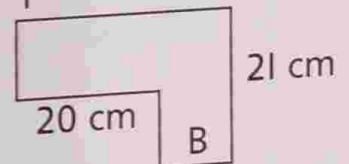
Perimeter = cm



perimeter = 86 cm



perimeter = 102 cm



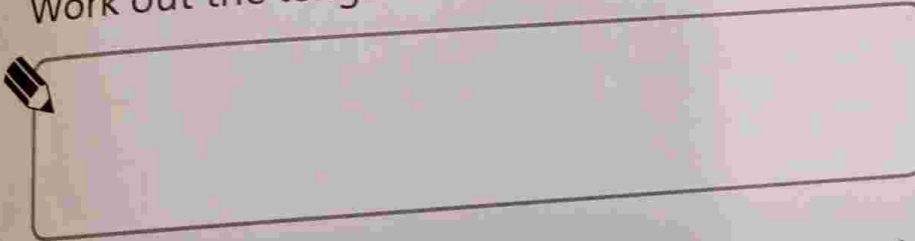
- 3 Max has worked out the length of side A.

$$86 - (25 \times 2) = 86 - 50 = 36$$

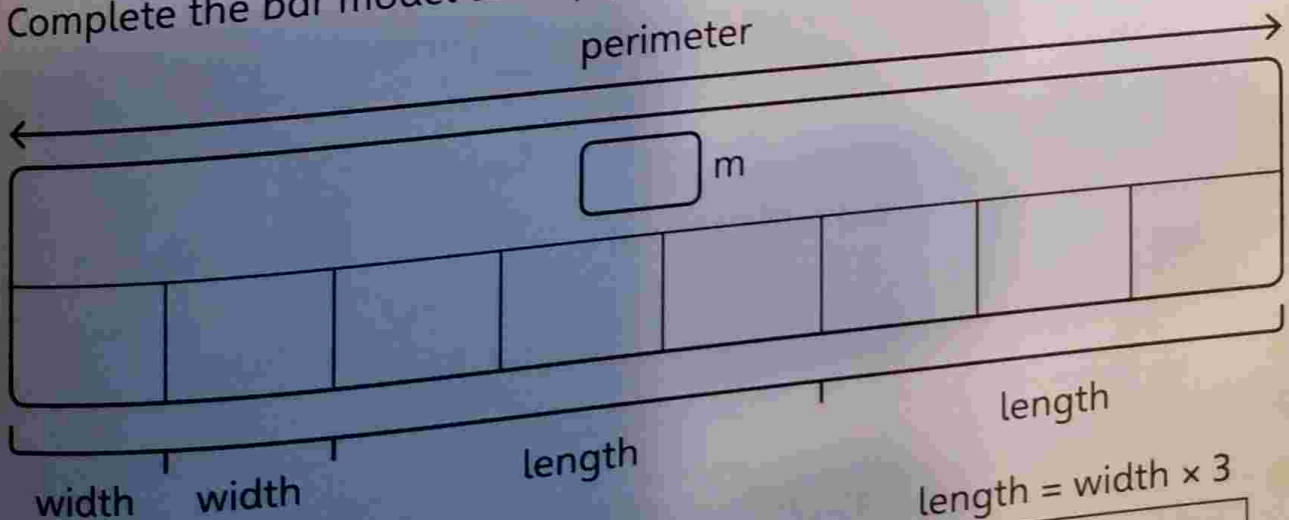
$$36 \div 2 = 18 \quad \text{width} = 18 \text{ cm}$$

$$18 - 14 = 4 \quad \text{side A} = 4 \text{ cm}$$

Work out the length of B.



- 4 The length of a rectangular lawn is 3 times its width. Its perimeter is 40 m.
What are the dimensions of the lawn?
Complete the bar model to help you find the answer.



width = $\div$ = m

length = $\times$ = m

length = width $\times$ 3

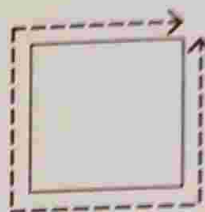
5 Zac has 6 square tiles.

Each tile has a perimeter of 40 cm.

Zac puts his tiles together to make a shape.

Sketch three different shapes Zac could make.

Work out their perimeters.



perimeter
= 40 cm

CHALLENGE

I will start by calculating what one side length is worth.



Perimeter = cm Perimeter = cm Perimeter = cm

Reflect

Explain how to calculate the perimeter of this shape.

