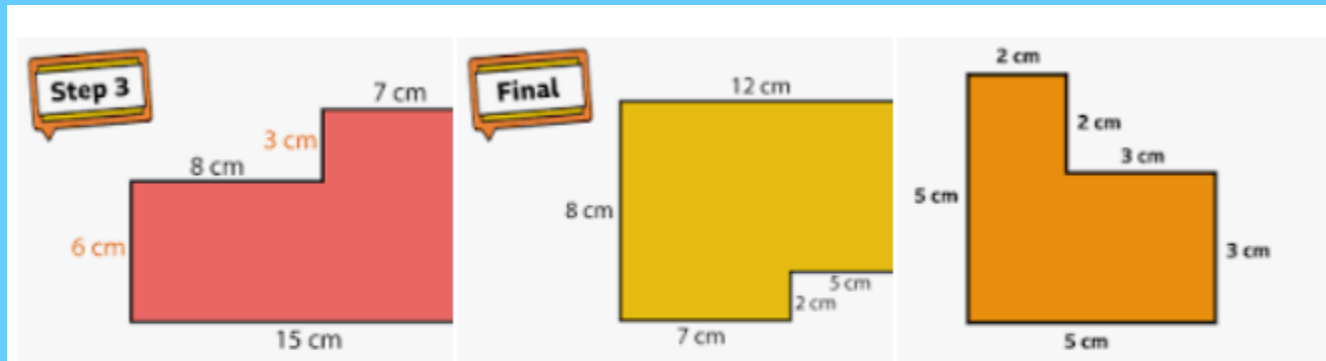


Can I find the perimeter of a rectilinear shape?

Year 4 Wednesday 10th February 2021



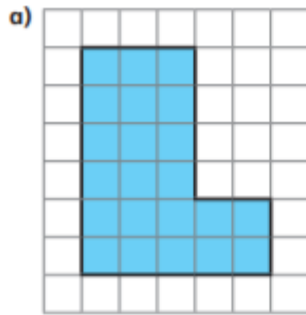
A **rectilinear shape** is a **shape** that has straight sides and right angles.

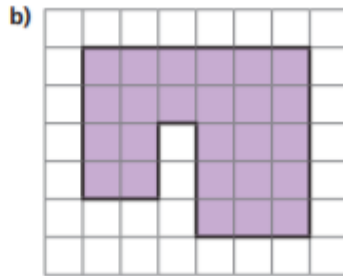
Watch the video

- <https://vimeo.com/470607065>
- Now complete the questions on the next slides

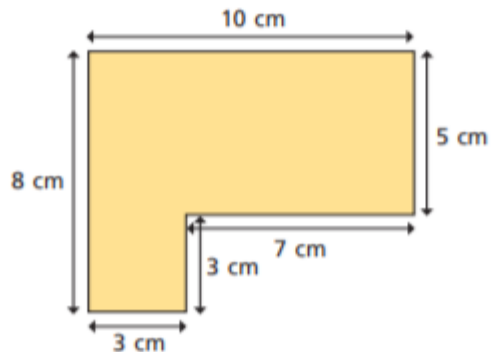
Perimeter of rectilinear shapes

1 The length of each square on the grid is 1 cm.
Work out the perimeter of the shapes.

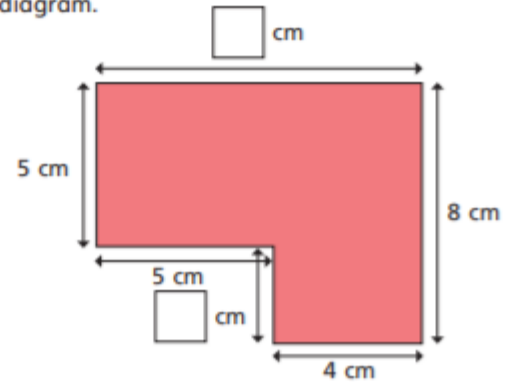




2 Work out the perimeter of the shape.

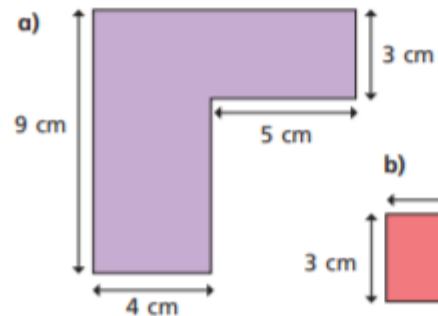


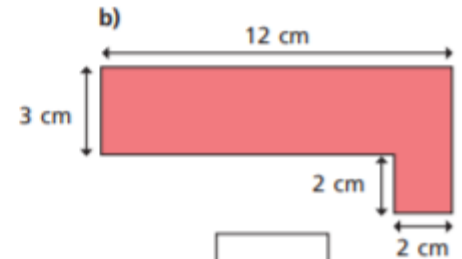
3 a) Work out the missing lengths and label them on the diagram.



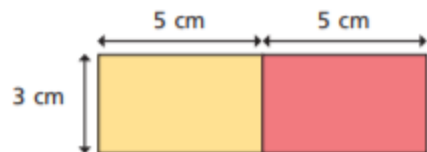
b) What is the perimeter of the shape?

4 Work out the perimeter of each shape.





- 5 Mo puts two 5 cm by 3 cm rectangles next to each other.



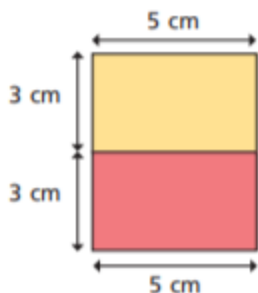
The perimeter of each small rectangle is 16 cm, so the perimeter of my larger rectangle must be $2 \times 16 \text{ cm} = 32 \text{ cm}$.

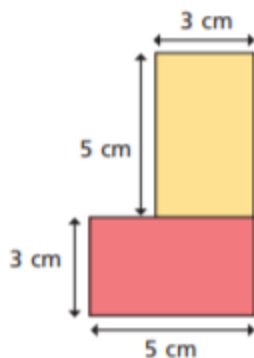
- a) Is Mo correct? _____

Work out the perimeter of the larger rectangle to check your answer.

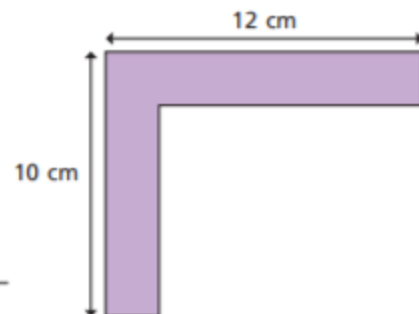
- b) Mo puts the rectangles together in different ways.

Work out the perimeter of each large shape.





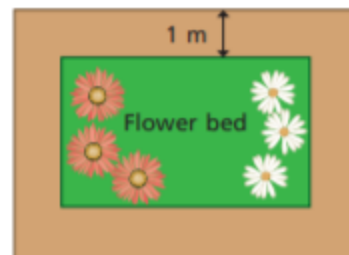
- 6 Dani thinks there isn't enough information to work out the perimeter of the shape.



Is Dani correct? _____

Explain your answer.

- 7 A rectangular flower bed is 5 m long and 3 m wide. The path around the flower bed is 1 m wide.

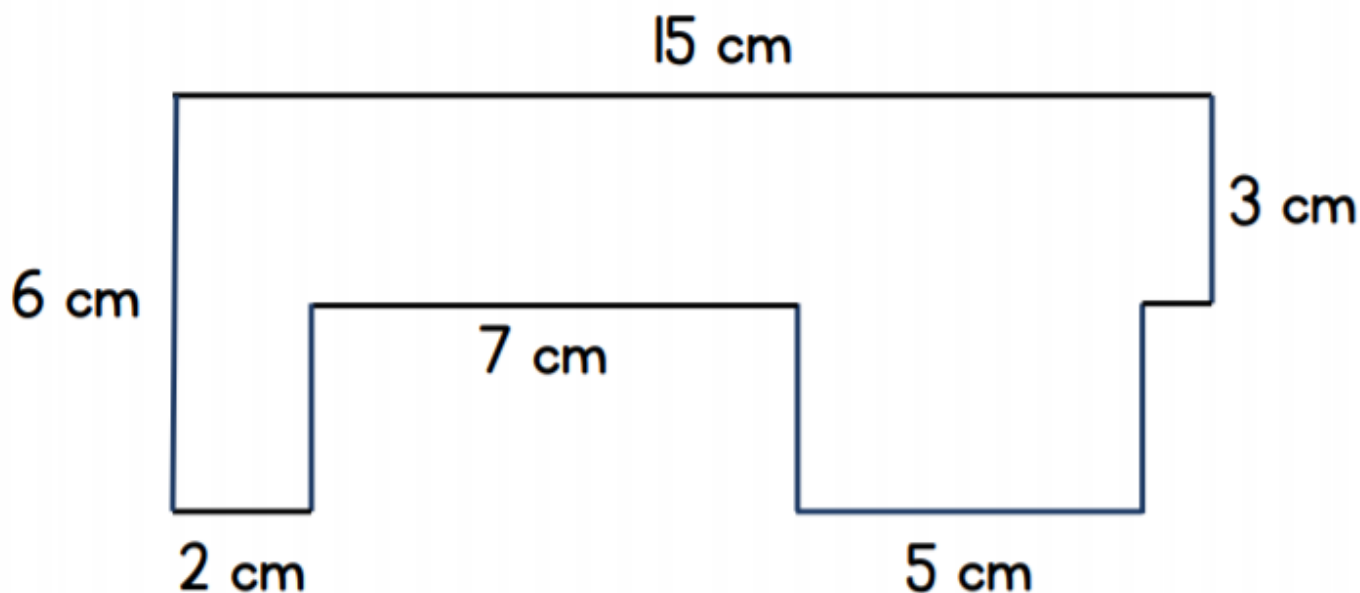


- a) What is the perimeter of the flower bed?

- b) What is the perimeter of the outside of the path?

True or False ?

The perimeter of the shape is 38 cm.

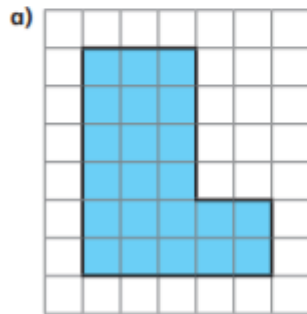


ANSWER sheets

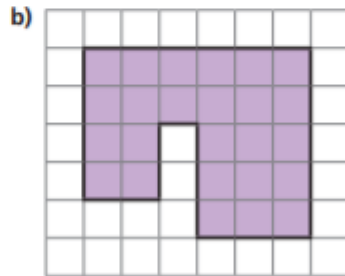
- Please check your answers using the answer sheets on the next slide.
- If you have made a mistake, can you explain what you did wrong and what you should have done instead?

Perimeter of rectilinear shapes

- 1 The length of each square on the grid is 1 cm.
Work out the perimeter of the shapes.

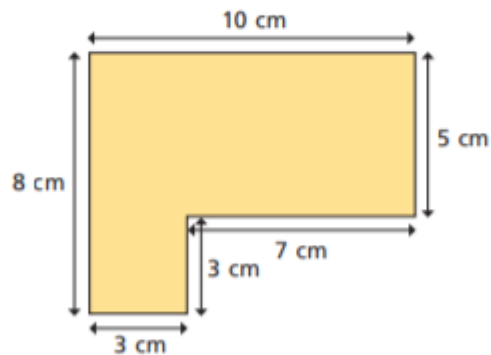


22 cm



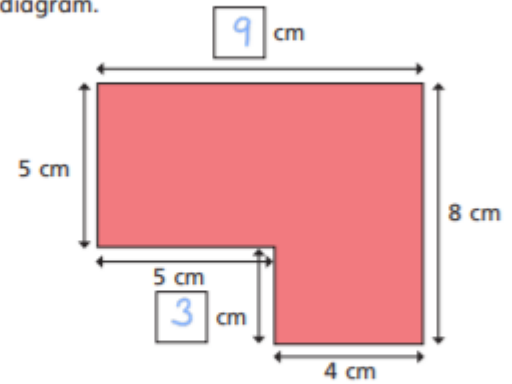
26 cm

- 2 Work out the perimeter of the shape.



36 cm

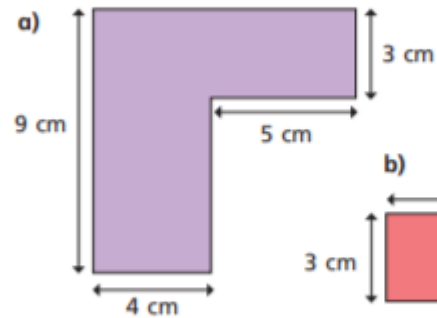
- 3 a) Work out the missing lengths and label them on the diagram.



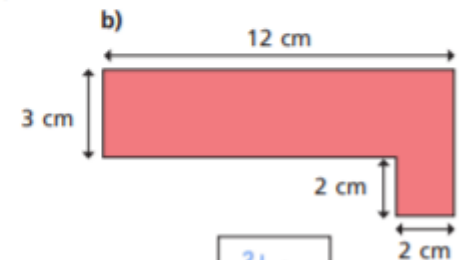
- b) What is the perimeter of the shape?

34 cm

- 4 Work out the perimeter of each shape.

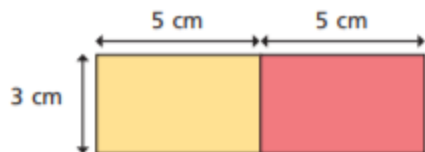


36 cm



34 cm

- 5 Mo puts two 5 cm by 3 cm rectangles next to each other.



The perimeter of each small rectangle is 16 cm, so the perimeter of my larger rectangle must be $2 \times 16 \text{ cm} = 32 \text{ cm}$.

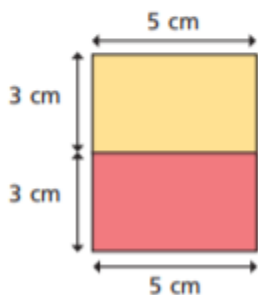
- a) Is Mo correct? No

Work out the perimeter of the larger rectangle to check your answer.

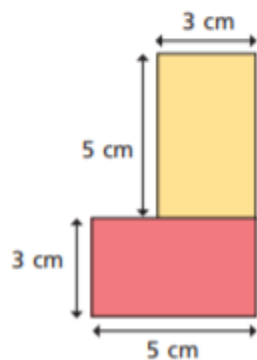
26 cm

- b) Mo puts the rectangles together in different ways.

Work out the perimeter of each large shape.

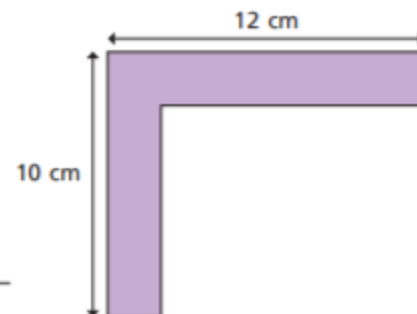


22 cm



26 cm

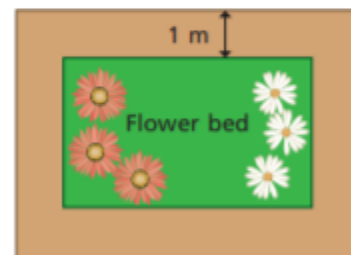
- 6 Dani thinks there isn't enough information to work out the perimeter of the shape.



Is Dani correct? No

Explain your answer.

- 7 A rectangular flower bed is 5 m long and 3 m wide. The path around the flower bed is 1 m wide.



- a) What is the perimeter of the flower bed?

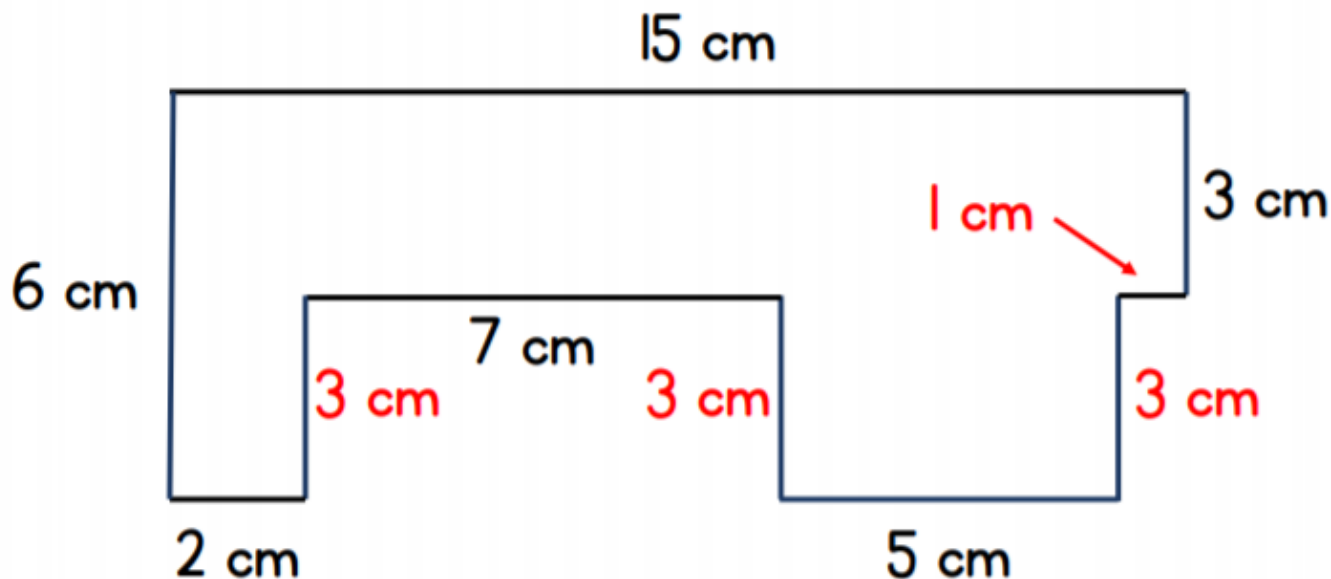
16 cm

- b) What is the perimeter of the outside of the path?

24 cm

False

Remember to add the missing lengths.



Did you get it right?