

Can I find perimeter on a  
grid?

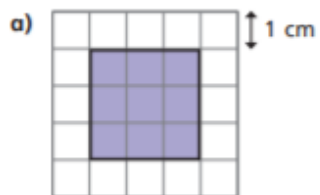
Year 4 Monday 8th February 2021

# Watch the video

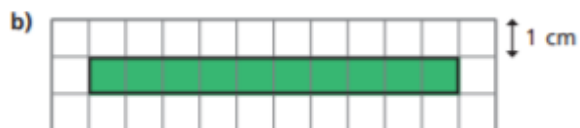
- <https://vimeo.com/470182402>
- Now complete the questions on the next slides

## Perimeter on a grid

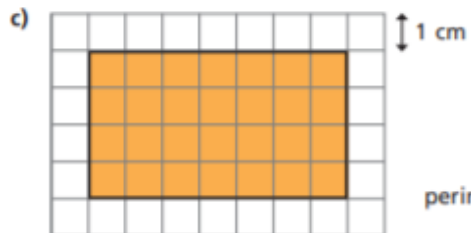
1 Work out the perimeter of each rectangle.



perimeter =

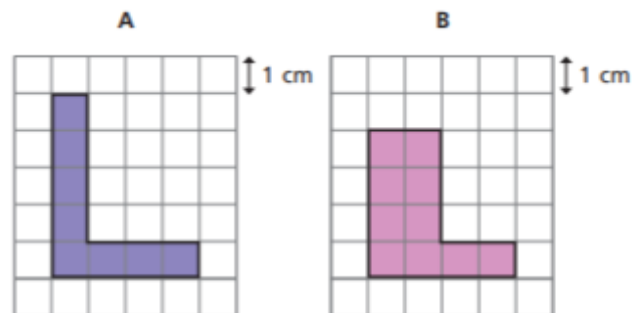


perimeter =



perimeter =

2 Which of the hexagons has the greatest perimeter?  
Show all your workings.

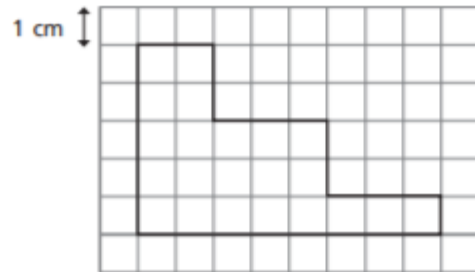


Shape \_\_\_ has the greatest perimeter.

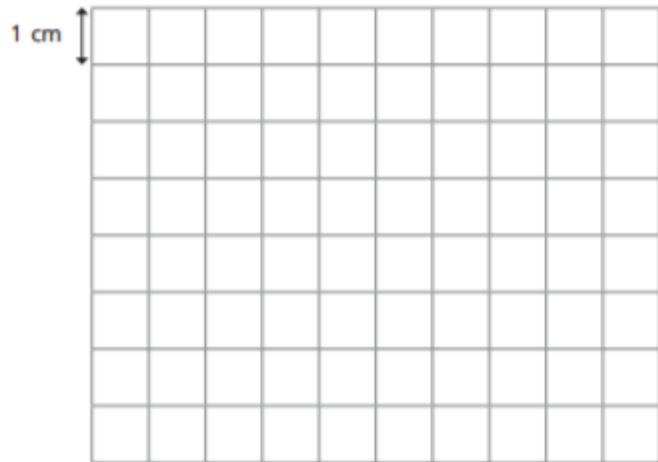
3 Draw two different rectangles with a perimeter of 14 cm.



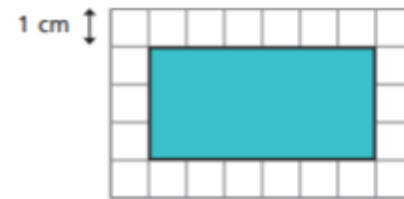
- 4 Work out the perimeter of the shape.



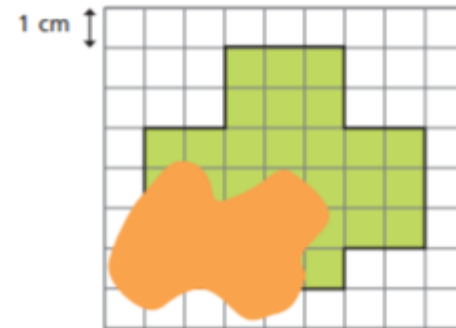
- 5 Draw two shapes with a perimeter of 20 cm.  
Your shapes should **not** be rectangles.



- 6 Work out the perimeter of the rectangle.



- 7 A shape is drawn on a square grid.  
Part of the shape is hidden.



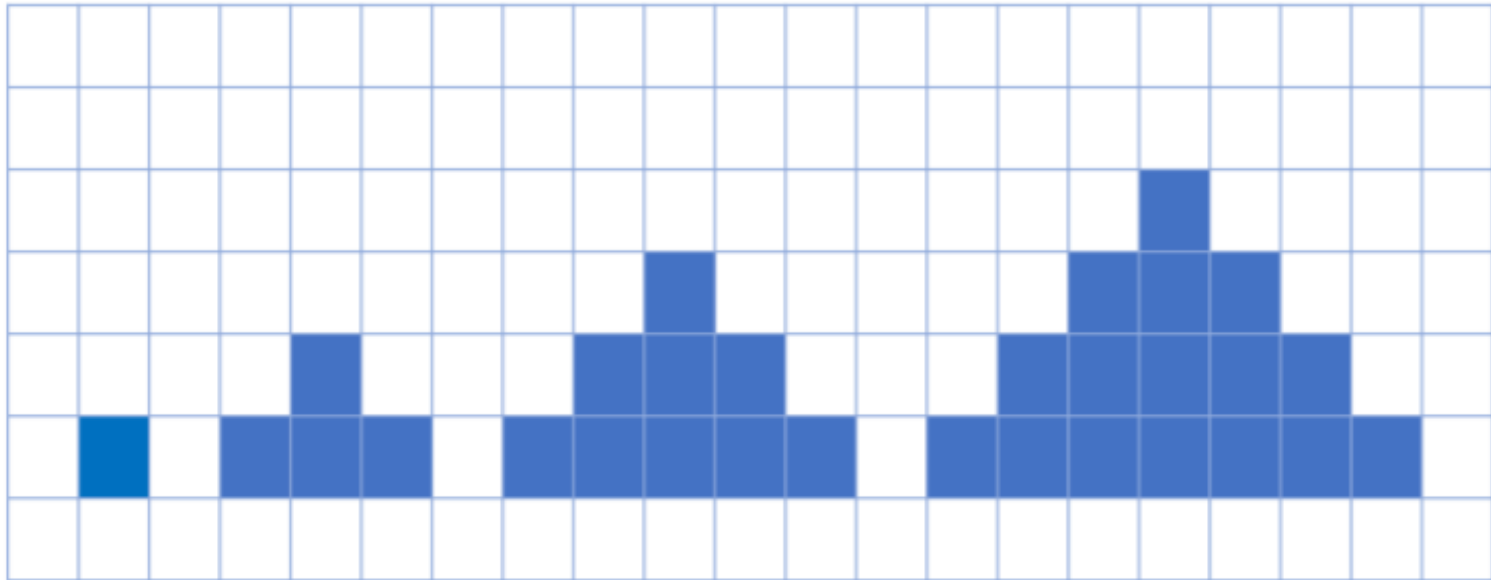
What could the perimeter of the shape be?

Is there more than one answer?

# True or False ?

Perimeter on a grid

The next shape in the sequence would have a perimeter of 28 cm.



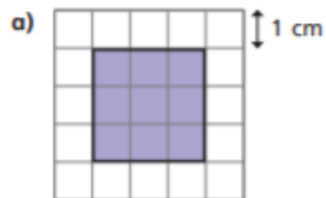
What do you notice? Can you spot the pattern?

# 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 on a grid

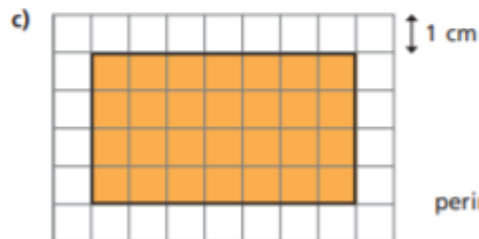
1 Work out the perimeter of each rectangle.



perimeter =



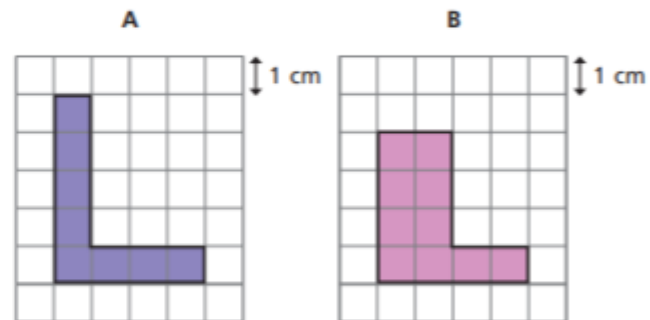
perimeter =



perimeter =

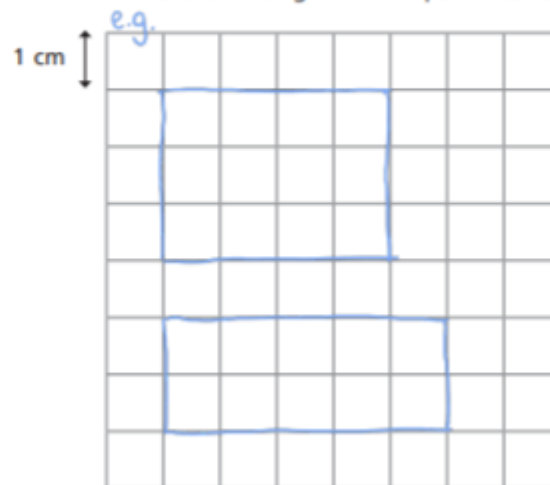
2 Which of the hexagons has the greatest perimeter?

Show all your workings.

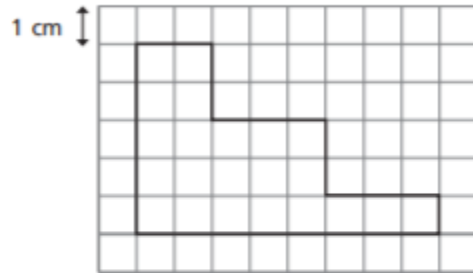


Shape A has the greatest perimeter.

3 Draw two different rectangles with a perimeter of 14 cm.



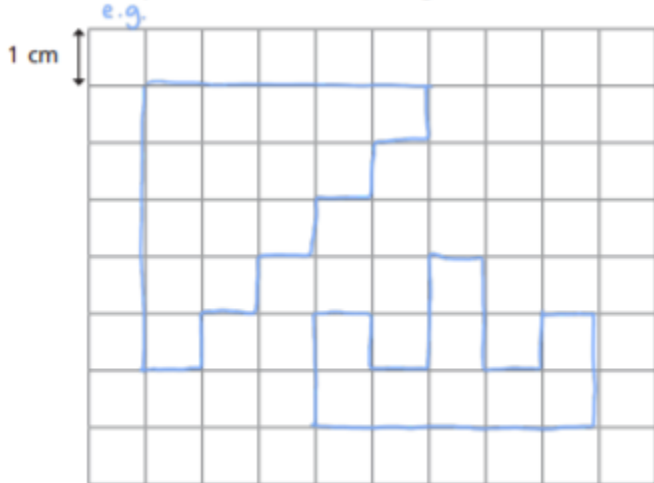
- 4 Work out the perimeter of the shape.



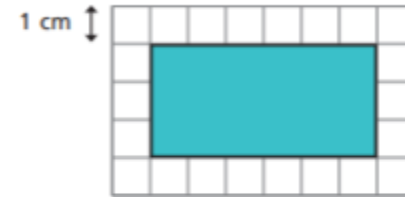
26 cm

- 5 Draw two shapes with a perimeter of 20 cm.

Your shapes should not be rectangles.



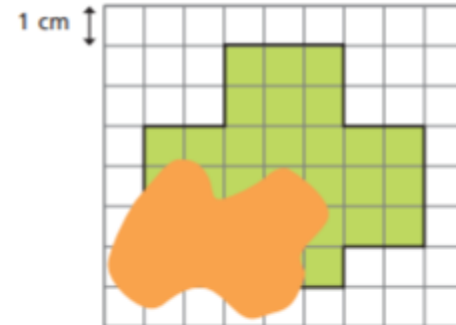
- 6 Work out the perimeter of the rectangle.



18 cm

- 7 A shape is drawn on a square grid.

Part of the shape is hidden.



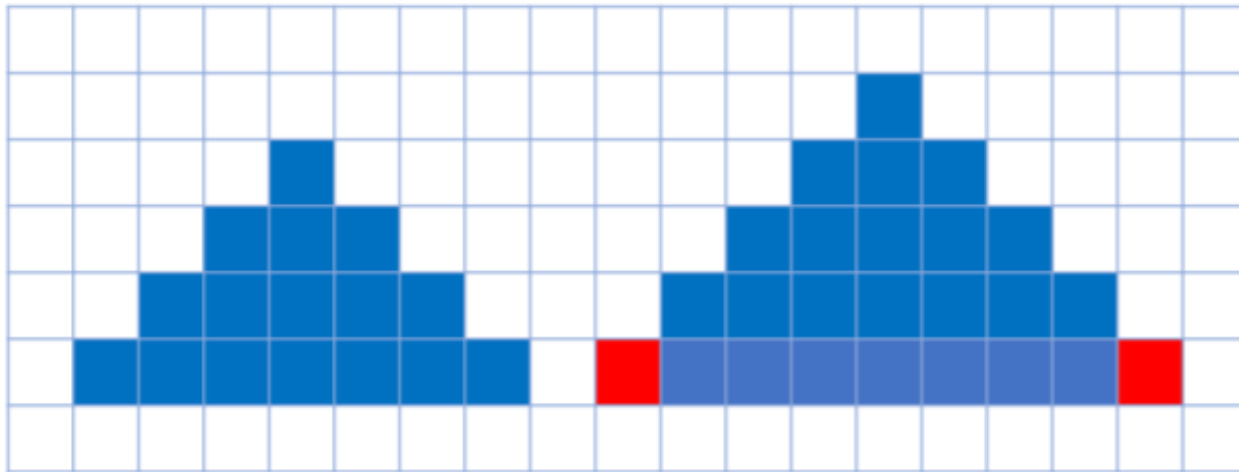
What could the perimeter of the shape be?

e.g. 25 cm

Is there more than one answer?



True



Each time a row is added  
the perimeter increases by 6

Did you get it right?

What would the next one be?