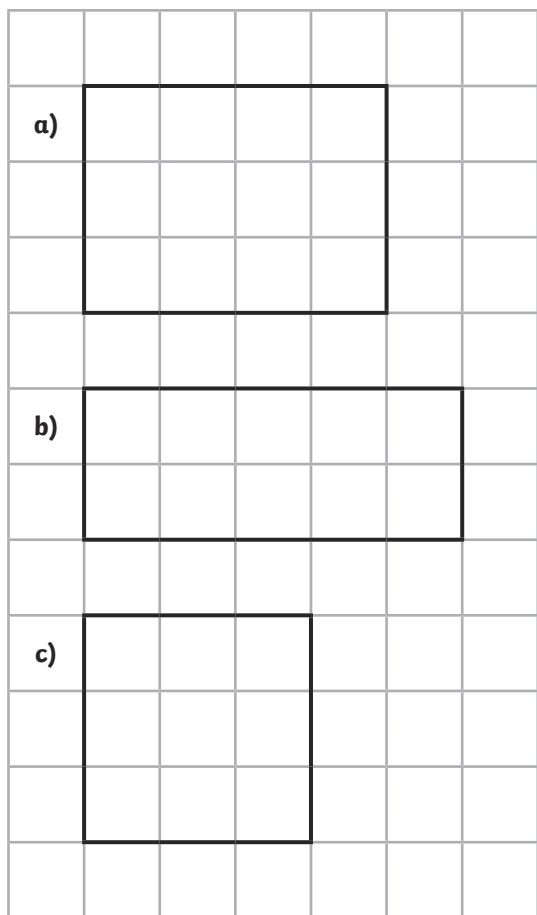
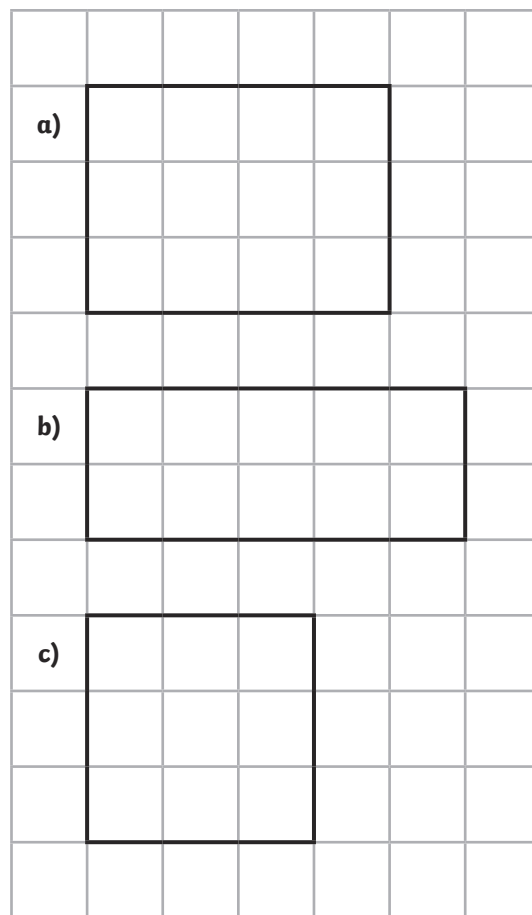


- 1) Calculate the perimeter of these shapes on this centimetre squared grid:



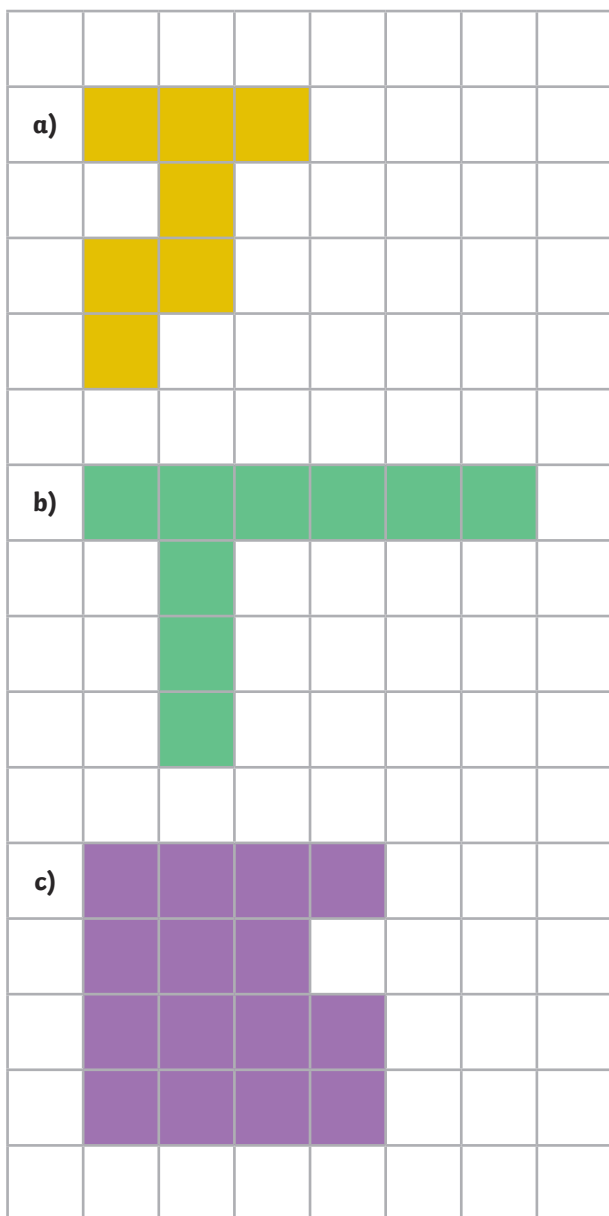
- 2) Draw two different rectilinear shapes that each have a perimeter of 24cm on a centimetre squared grid.

- 1) Calculate the perimeter of these shapes on this centimetre squared grid:



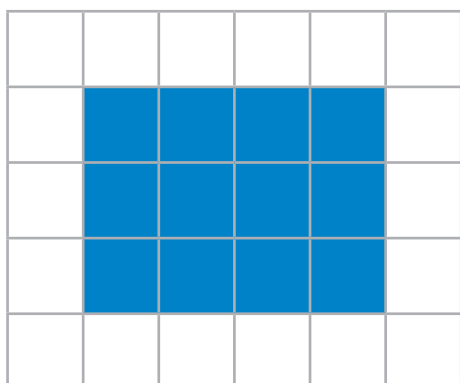
- 2) Draw two different rectilinear shapes that each have a perimeter of 24cm on a centimetre squared grid.

- 1a)** Order the following shapes on this centimetre squared grid from greatest to smallest perimeter.



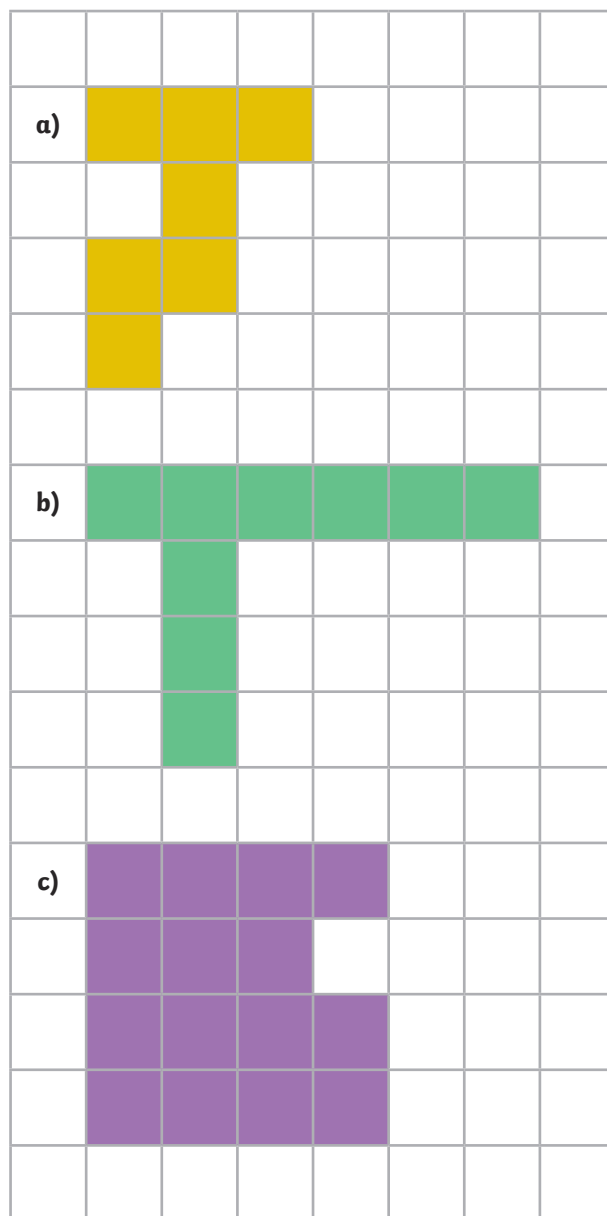
- b)** Draw another rectilinear shape with a perimeter that is between the largest and smallest perimeters of the shapes above on a centimetre squared grid.

- 2)** Will thinks that the perimeter of this shape is 12cm.



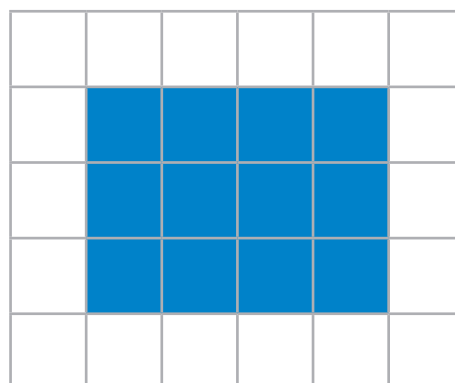
What mistake has he made?

- 1a)** Order the following shapes on this centimetre squared grid from greatest to smallest perimeter.



- b)** Draw another rectilinear shape with a perimeter that is between the largest and smallest perimeters of the shapes above on a centimetre squared grid.

- 2)** Will thinks that the perimeter of this shape is 12cm.

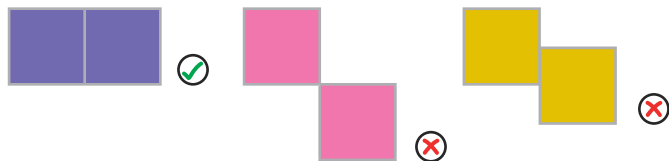


What mistake has he made?

- 1) Rania has 16 square mosaic tiles. Each side of each square is 1cm long.



She wants to make a shape where each square has at least one edge fully touching the edge of another square.

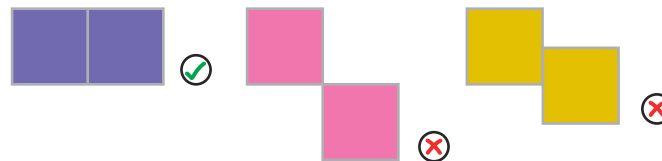


- a) What is the longest perimeter that her shape could have?
- b) What is the shortest perimeter that it could have?
- c) Using all 16 squares, how many different squares or rectangles could Rania make that have a perimeter of 16cm?

- 1) Rania has 16 square mosaic tiles. Each side of each square is 1cm long.



She wants to make a shape where each square has at least one edge fully touching the edge of another square.



- a) What is the longest perimeter that her shape could have?
- b) What is the shortest perimeter that it could have?
- c) Using all 16 squares, how many different squares or rectangles could Rania make that have a perimeter of 16cm?