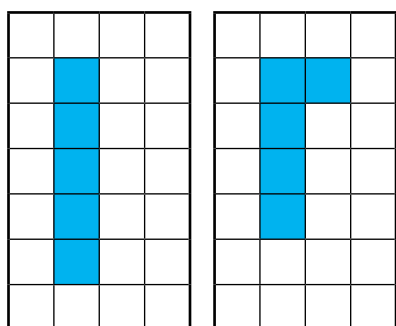


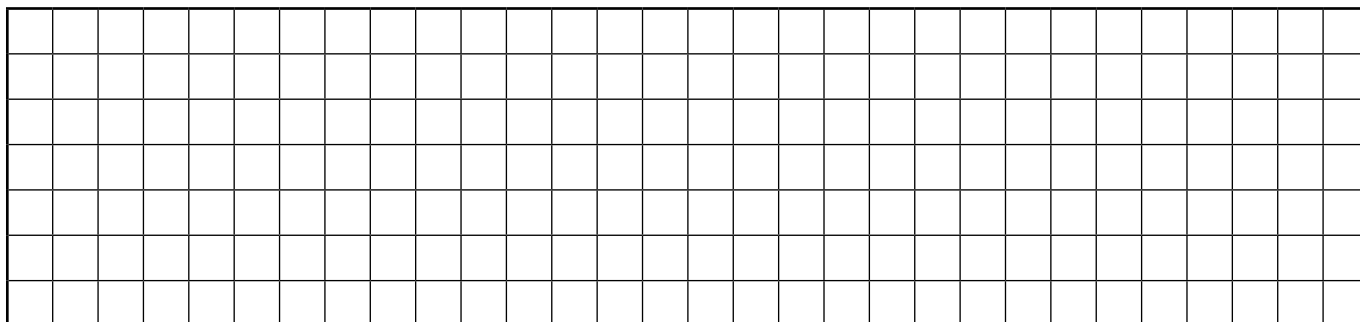


- 1) a) Tara is exploring making rectilinear shapes using 5 squares. She is trying to work systematically, only moving 1 square at a time. Identify 4 more rectilinear shapes that she could have created?



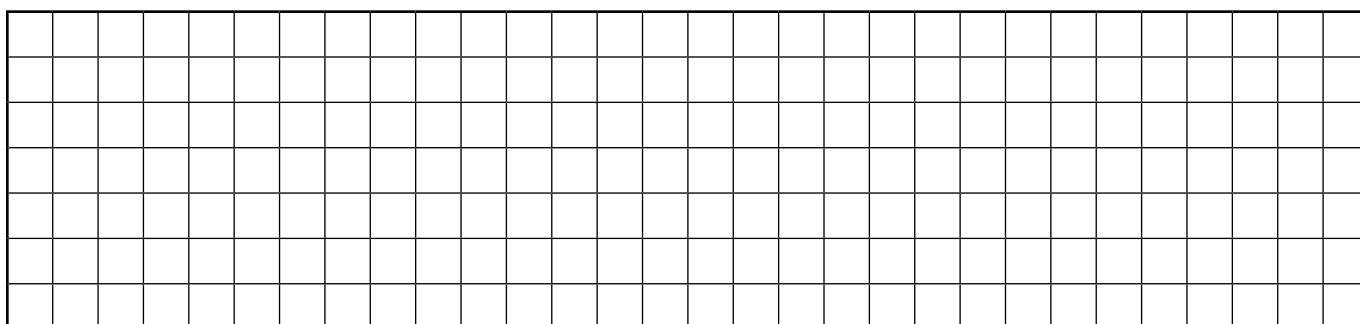
Top Tip:

You could cut out 5 squares and rearrange them to help you make the different rectilinear shapes.



- b) Compare your rectilinear shapes with your partner's. What did you notice?

- 2) Draw 3 rectilinear shapes with an area of 7 squares.

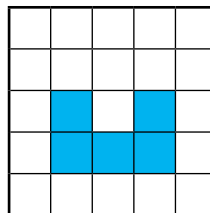


- 1) Sorcha has made some rectilinear shapes using 8 squares. Decide if each shape is correct or incorrect and give her some feedback.

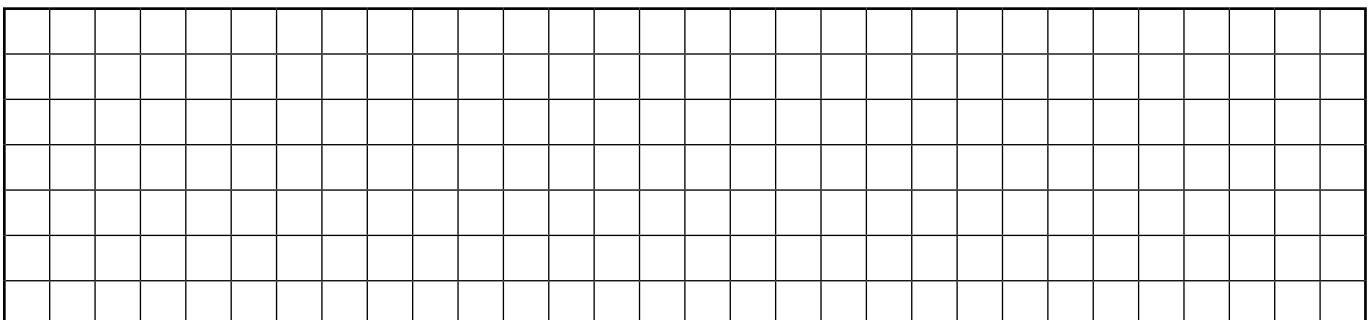


Rectilinear Shapes	Correct ✓ Incorrect ✗	Feedback
a)		
b)		
c)		

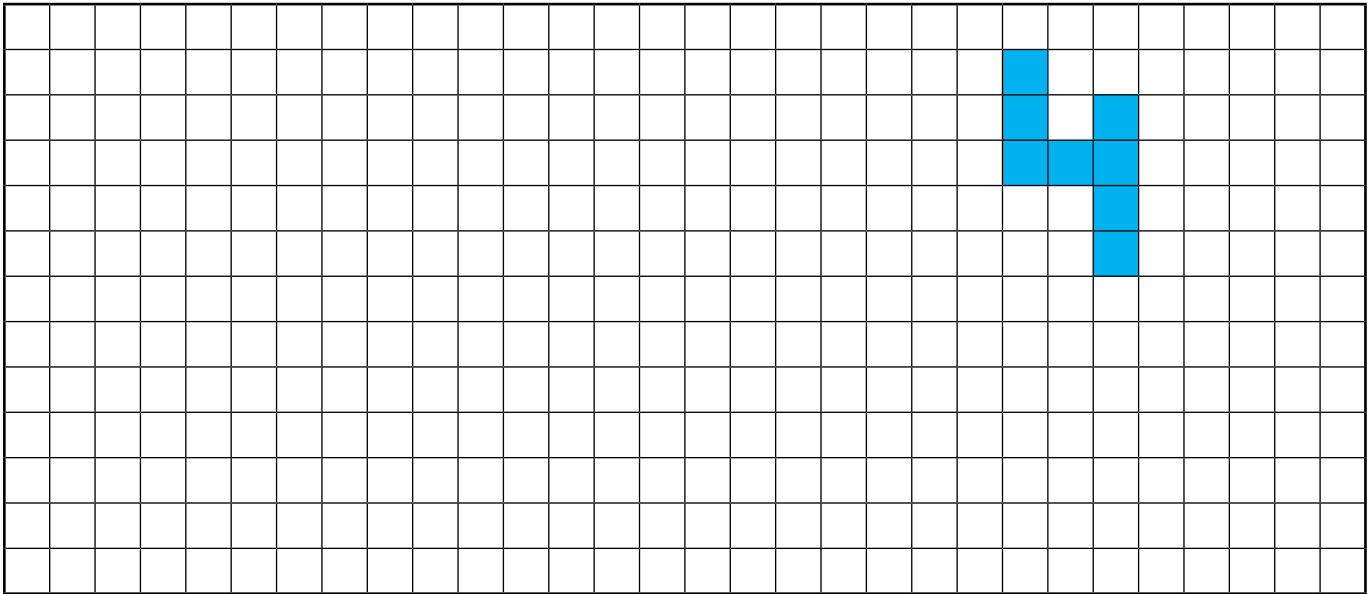
- 2) a) Look at this rectilinear shape. Using 4 more squares, can you turn this shape into a square?
b) How many more different ways are possible?



- c) Jack says, "I can make a rectangle if I add another 7 squares to this rectilinear shape." Is he correct? Explain your reasoning.



- 1) Create the digits 0-9 using rectilinear shapes - making each digit 5 squares tall. Number 4 has been created for you. You may need to use some extra squared paper to investigate different possibilities.



- 2) Record the area of each digit in the table.

- a) Which digit has the greatest area?

- b) Which digit has the smallest area?

- c) Which digit's area is the same as the digit?

Digit	Area (Number of Squares)
0	
1	
2	
3	
4	

Digit	Area (Number of Squares)
5	
6	
7	
8	
9	

- d) Make a 2-digit number that has an area of 19. How many different possibilities are there?

- e) Make a 3-digit number that has an area of 19. How many different possibilities are there?
