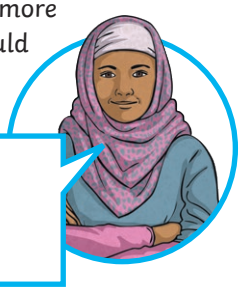
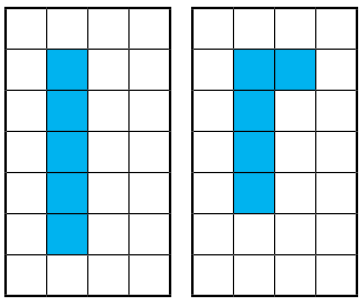
1) a) Tara is exploring making rectilinear shapes using 5 squares. She is trying to work systematically, only moving 1 square at a time. Identify 4 more rectilinear shapes that she could have created?



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) 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:

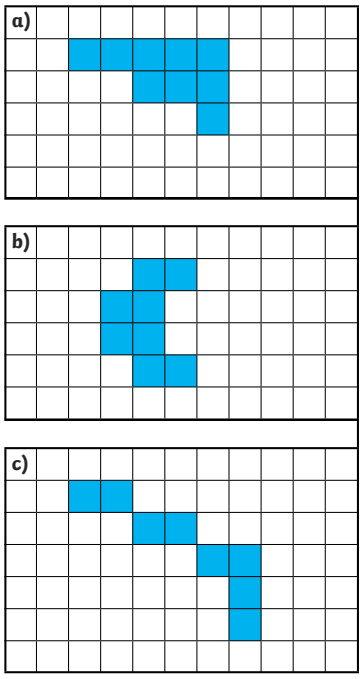
You could cut out 5 squares and rearrange them to help you make the different rectilinear shapes.

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

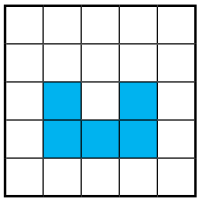
2) Draw 3 rectilinear shapes with an area of 7 squares.

twinkl.com

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



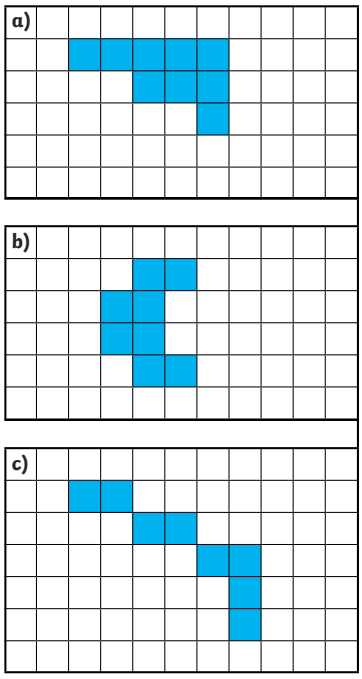
2) a) Look at this rectilinear shape. Using 4 more squares, can you turn this shape into a square?



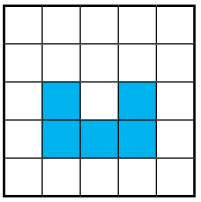
b) How many more different ways are possible?

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



2) a) Look at this rectilinear shape. Using 4 more squares, can you turn this shape into a square?

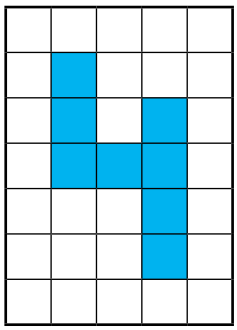


b) How many more different ways are possible?

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

twinkl.com

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) Copy and complete this table to record the area of each digit.

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

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

a) Which digit has the greatest area?

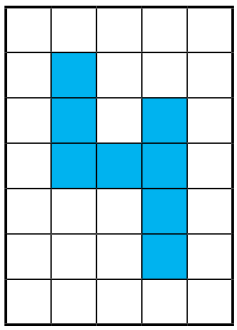
b) Which digit has the smallest area?

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

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?

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) Copy and complete this table to record the area of each digit.

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

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

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?

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?

twinkl.com