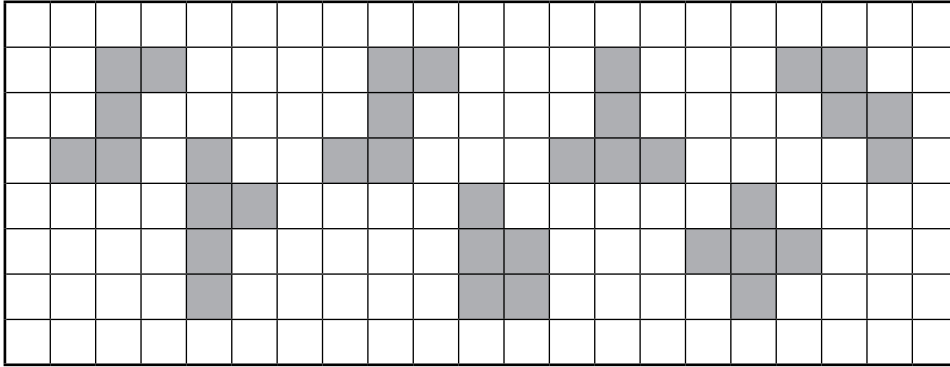


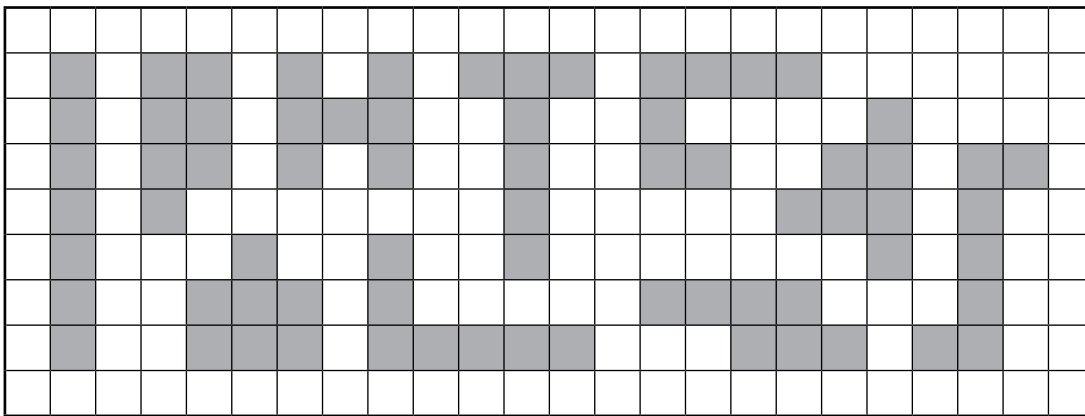


1) a) *There are many possible solutions. Here are some examples:*



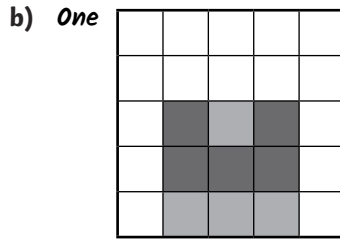
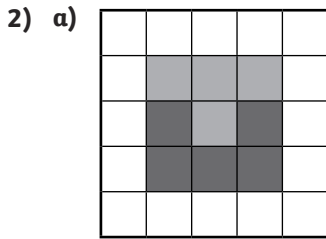
b) *Children may describe having rectilinear shapes which are the same or different to their partner's. They may recognise different orientations of the same shape.*

c) *There are many solutions to this question. Mark correctly if the shapes have a total of 7 squares that are joined by the sides of the squares. Here are some of the possible answers:*

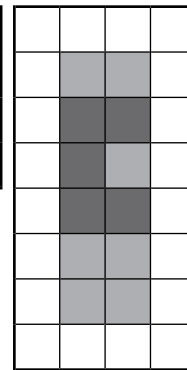
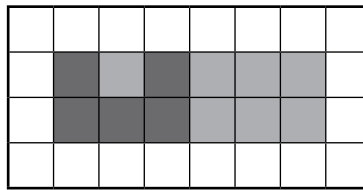
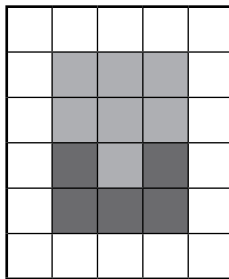
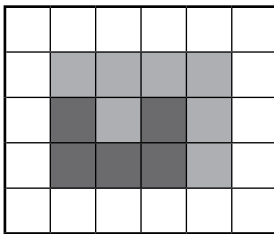




- 1) a) *Incorrect. There should be 8 squares, but you have used 9 squares. Remember to count carefully.*
 b) *Correct. This is correct because your rectilinear shape has an area of 8 squares. Well done.*
 c) *Incorrect. This is not a rectilinear shape because some squares only touch at the corners. The squares must touch at the sides as well as the corners.*

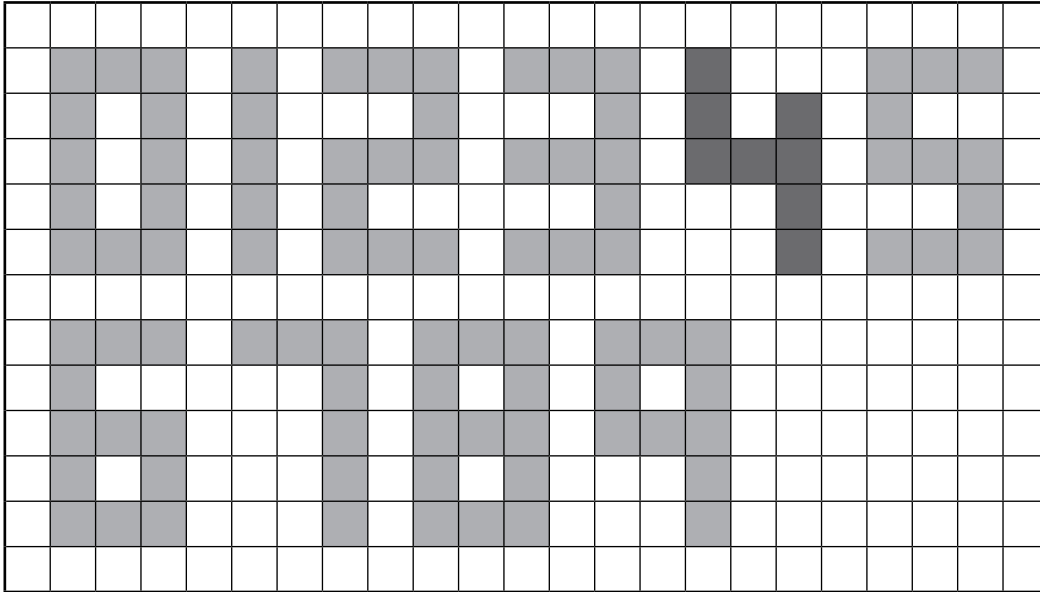


- c) *Yes, Jack is correct because he can create the following rectangles by adding 7 squares:*
four rows of three squares
three rows of four squares
two rows of six squares
six rows of two squares
Here are some examples:





1) *Accept any answer which is a rectilinear shape. Answers will be dependent on how the child forms each digit. For example:*



2)

Digit	Area (Number of Squares)
0	12
1	5
2	11
3	11
4	8

Digit	Area (Number of Squares)
5	11
6	12
7	7
8	13
9	10

- a) 8
- b) 1
- c) 7
- d) 24, 42, 34, 43, 67, 54, 45, 76 and 70
- e) 717, 177 and 771