





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 | | | | | | | | | | | | ct ✓ ect ᠈ | | Feedback | | | | | | | | | | | | |
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| b) | Н | ow | ma | ny | mor | e dif | fere | nt v | vays | s are | poss | sible | ?? | | | | | | | | | | | | | | |
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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.

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| a | cord the area of each digit in the table. Which digit has the greatest area? | Digit | Area (Number of Squares) | Digit | Area (Number of Squares) |
|----|---|-------|-----------------------------|-------|-----------------------------|
| u | Which digit has the greatest drea ? | 0 | | 5 | |
| L. | | 1 | | 6 | |
| b |) Which digit has the smallest area? | 2 | | 7 | |
| | | 3 | | 8 | |
| C |) Which digit's area is the same as the digit? | 4 | | 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?



