Need to think $\quad$ Conjecture: Doubling the width and doubling the height will always give me the perimeter.

Have a go... Highlight the perimeter fence.


What should be the rules of creating a perimeter fence?
$\square$

| 100 cm |  |  |  | Which part is the perimeter, the red part or the blue <br> part? |
| :--- | :--- | :---: | :---: | :---: |
|  | Can you show how to find the perimeter of this <br> rectangle? |  |  |  |
|  |  |  |  |  |

Moving on...Use your 12 lines (sticks if in school) only to create different perimeters of shapes. 1 line = 1 metre Can you label the sides of your shape with your measurements?

| Example | Another |
| :--- | :--- |
|  |  |
|  |  |
|  |  |


| One No One Thought Of... | Non - Example |
| :--- | :--- |
|  |  |
|  |  |
|  |  |
|  |  |

Show your working to solve these:

| a) |  |
| :---: | :---: |
| b) |  |
| c) |  |
| d) | If each lolly stick is 8 cm , what is the perimeter? |

