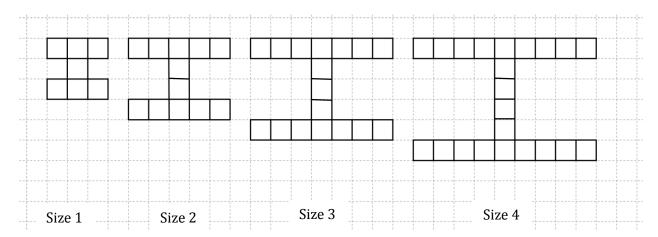




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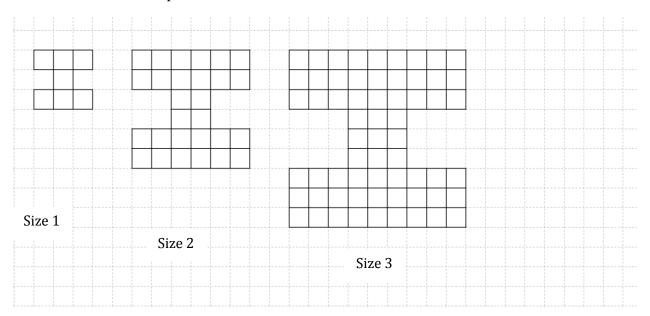
H SITE

He is working on creating the logo in various sizes to be placed on different pages on the website. Marco developed the following designs:

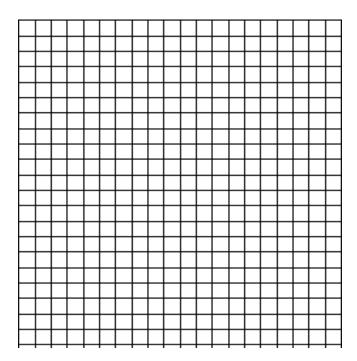


- 1. How many squares will be needed to create the size 100 logo?
- 2. Develop a mathematical model for the number of squares in the logo for size n.

Marco decides to experiment with making his logo "blockier" so that it looks stronger. Here's what he came up with:



3. Assuming that Marco continues with the pattern as it has begun, draw the next figure, size 4, and find the number of blocks in the figure.



4.	Develop a mathematical model for the number of blocks in a logo of size $n$ .
5.	Compare the models that you developed for the first set of logos to the second
	set of logos. In what ways are they similar? In what ways are they different?
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