Get out your books and work on

with your group. 1.2 I Rule!

A Solidify Understanding Task

X > Size 1

Marco has started a new blog about sports at Imagination High School (mascot: the fighting unicorns) that he has decided to call "I Site". He created a logo for the web site that looks like this:



linear y=mx+b

Size 4

He is working on creating the logo in various sizes to be placed on different pages on the

1. How many squares will be needed to create the size 100 logo?

Size 2



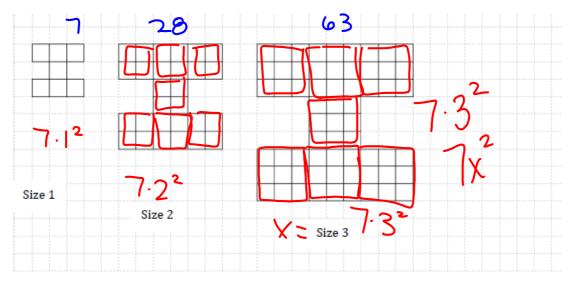
Size 3

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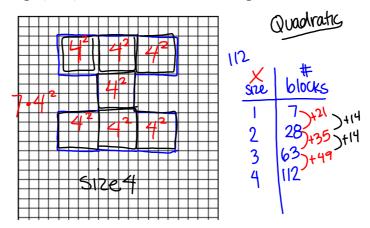
2. Develop a mathematical model for the number of squares in the logo for size *n*.
$$y = 5x + 2$$

$$f(x) = 5x + 2$$

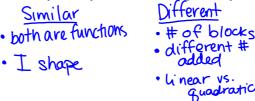
Marco decides to experiment with making his logo "blockier" so that it looks stronger. Here's what he came up with:



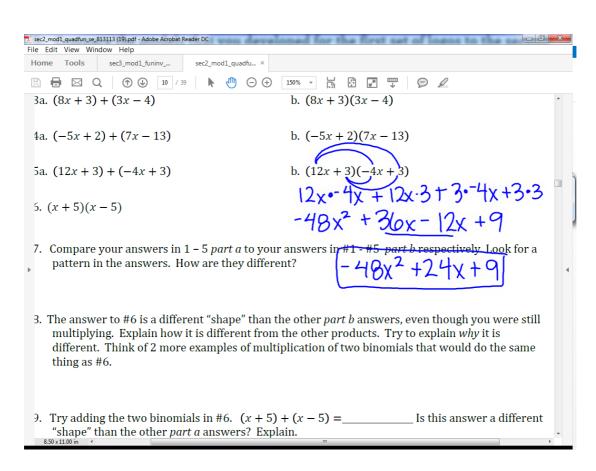
Assuming that Marco continues with the pattern as it has begun, draw the next figure, size 4, and find the number of blocks in the figure.

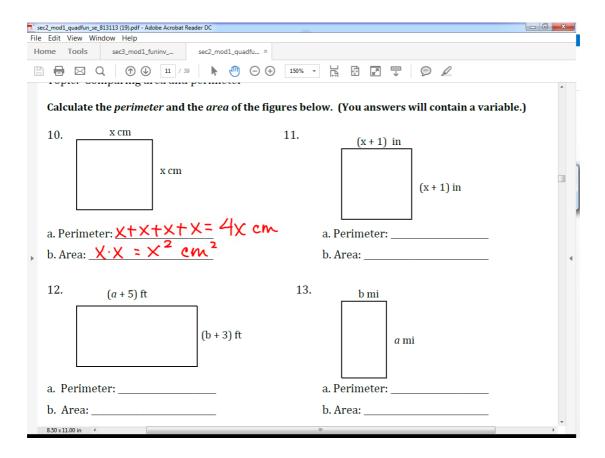


- 4. Develop a mathematical model for the number of blocks in a logo of sizen. $\begin{pmatrix}
 (n) = 1 \\
 (n) = 1
 \end{pmatrix}$
- 5. Compare the models that you developed for the first set of logos to the second set of logos. In what ways are they similar? In what ways are they different?

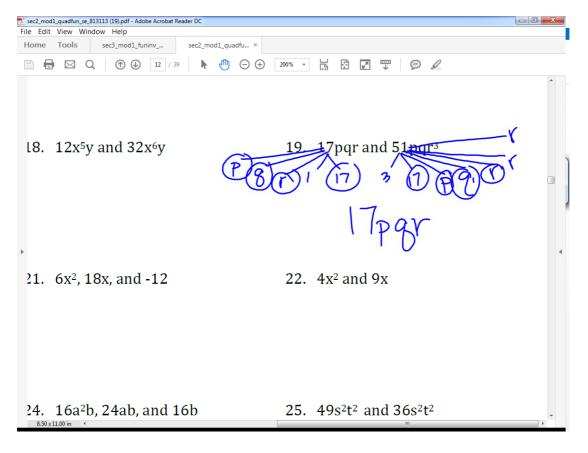


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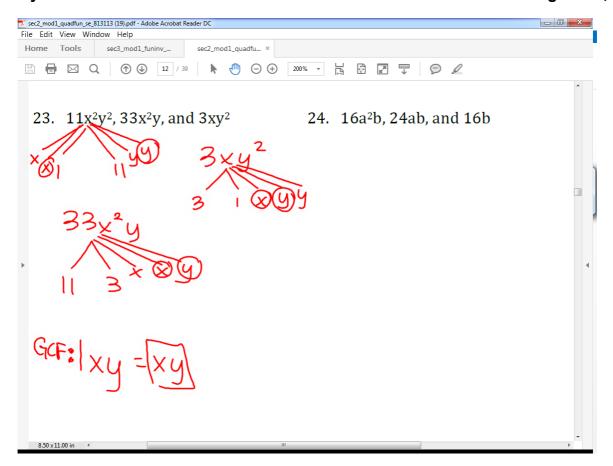




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Questions on 1.2 HW?