

MathFLIX CHALLENGE

Tile Patterns: *Challenging*

Angie used white and gray tiles to create the 3 figures shown below.

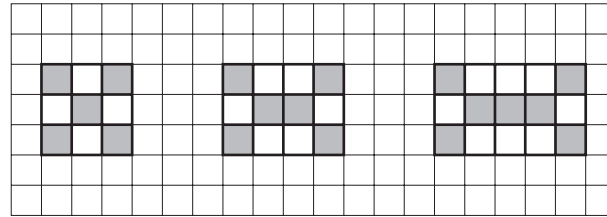


Figure 1

Figure 2

Figure 3

Using Angie's pattern, draw Figure 5 in the space below. Explain Angie's pattern in words. Then, explain what steps you took to draw Figure 5 and why you took those steps.

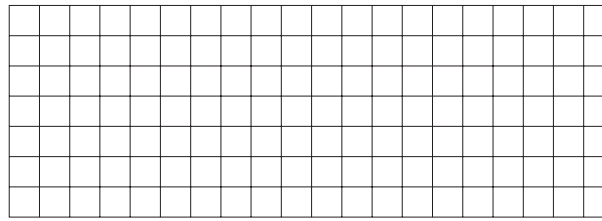


Figure 5

1. What do you see?
2. Can you predict the question?
3. Read the problem.
4. What are the dimensions of Figure 1? Figure 2? Figure 3?
5. Predict the dimensions of Figure 5.
6. Describe the location of gray tiles in Figure 1? Figure 2? Figure 3?
7. Predict where the gray tiles will be in Figure 5.
8. Draw Figure 5.

First I studied the diagram **because** _____

Second I read the problem **because** _____

Next, I studied the pattern of white and gray tiles in the rectangle in each figure **because** _____

My answer is _____ **because** _____

Finally, I checked my work because I wanted to get all 12 points.