


Describing Patterns 1

NAME _____

Visit the “Describing Patterns” web page

<http://standards.nctm.org/document/eexamples/chap4/4.1/Part2.htm> and go to “Figure 1b”.

1. Using the interactive tool in “Figure 1b,” click on the  Button, 12 times, creating a connecting cube pattern.
2. Imagine you are repeating the “ABAB” connecting-cube pattern until you have 14 connecting-cubes. What color would the 14th cube be? Explain how you know.
3. Imagine you are repeating this “ABAB” pattern until you reach 25 connecting cubes, what color would the 25th cube be? Explain how you know.

4. Go to “Figure 1c”, and click on the  Button, 12 times, creating a connecting cube pattern. Explain why we could call the connecting-cube pattern that appeared in “Figure 1c” a repeating pattern.

5. Demonstrate to your partner, how “Figure 1c” would sound if you turned it into a snap/clap pattern?

6. Even though the connecting-cube pattern that appeared in “1c” looks the same as the pattern created with “1b”, explain how it was created differently.

7. Using the letters “A and B,” write a pattern representing the connecting cubes below:

