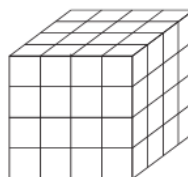
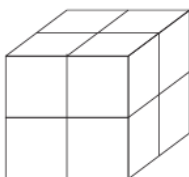
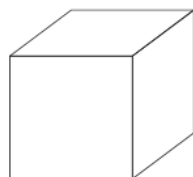


LESSON 6.1 Assignment

Name _____ Date _____

Sequence—Not Just Another Glittery Accessory
Arithmetic and Geometric Sequences

1. Consider the first 3 terms in the given sequence of stacked cubes.



- a. Determine whether the number of cubes in each term represents an arithmetic or a geometric sequence. Explain your reasoning.
- b. Determine an explicit formula and a recursive formula for the sequence.
- c. Use both the explicit formula and the recursive formula to calculate the 4th term in the sequence.
- d. Which formula would you use to determine the 9th term in the sequence? Explain your reasoning. Determine the 9th term of the sequence.

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