



Date _____ Name _____

MAFS.4.OA.3.5- Number 5

Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.

For 1-2, Multiple Choice Response

- 1. Lola created the pattern below.
18, 15, 12, 9, ___

What number is next in the number sequence?

- A. 3
- B. 6
- C. 11
- D. 21

Answer: _____

- 2. A numerical pattern starts at the number 6 and follows the rule "multiply by 2 and add 4." Which of the following would be an example of the pattern?

- 6, 12, 24, 48, 96
- 6, 10, 14, 18, 22
- 6, 12, 16, 32, 36
- 6, 16, 36, 76, 156

Answer: _____

Table Response

- 3. The first number in a pattern is 72. The pattern follows the rule "Divide by 2 and Add 4." Complete the table to show the next three numbers in the pattern.

Numbers in the pattern
72

Answer: _____

Equation Response

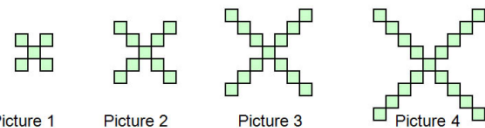
- 4. The pattern below starts with the number 20 and follows a rule.

10, 40, 130, 400, 1210

What is the rule for the pattern?

Answer: _____

Open Response



A shape pattern is shown.

Describe how the number of total squares in each shape is related to the shape's number.

Answer: _____