



Date \_\_\_\_\_ Name \_\_\_\_\_

**MAFS.4.OA.3.5- Number 1**

**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.**

**Multiselect**

- Ben created the pattern below.  
14, 17, 20, 23, \_\_, \_\_

What are the next two numbers in the sequence?

- 11
- 26
- 24
- 32
- 29

Answer: \_\_\_\_\_

**Multiple Choice**

- A numerical pattern starts at number 3 and follows the rule "multiply by 2 and subtract 2." Which of the following would be an example of the pattern?

- A. 3, 6, 12, 24, 48
- B. 3, 8, 18, 38, 78
- C. 3, 4, 6, 10, 18
- D. 3, 7, 11, 15, 19

Answer: \_\_\_\_\_

**Table Item**

- The first number in a pattern is 49. The pattern follows the rule "Add one and divide by 2." Complete the table to show the next three numbers in the pattern.

Numbers in the pattern
49

Answer: \_\_\_\_\_

**Editing Task Choice**

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

20, 50, 110, 230, 470

The operation is

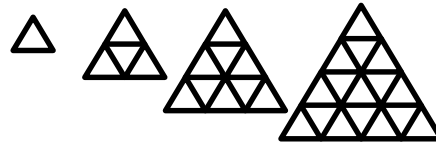
by 2 and Add 10

- Add
- Subtract
- Multiply

Answer: \_\_\_\_\_

**Open Response**

- A shape pattern is shown.



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

Answer: \_\_\_\_\_