



Date _____ Name _____

MAFS.4.OA.3.5- Number 4

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.

Matching Item Response

- 1. Match the pattern to the next number in each sequence.

	42	77	34
14, 19, 24, 29, __			
12, 14, 18, 26, __			
2, 7, 17, 37, __			

Answer: _____

Multiple Choice Response

- 2. A numerical pattern starts at the number 7 and follows the rule "add 3 and multiply by 2." Which number set would be an example of the pattern?

- 7, 20, 46, 98, 200
- 7, 10, 13, 16, 19
- 7, 10, 20, 23, 46
- 7, 14, 21, 28, 35

Answer: _____

Table Response

- 3. The first number in a pattern is 10. The pattern follows the rule "Divide by 2 and multiply by 4." Complete the table to show the next three numbers in the pattern.

Numbers in the pattern
10

Answer: _____

Equation Response

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

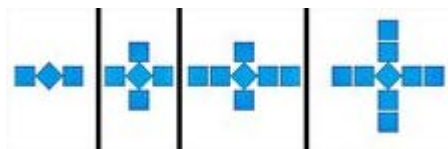
100, 82, 64, 46, 28

What is the rule for the pattern?

Answer: _____

Grid with Action Buttons

- 5. A shape pattern is shown.



Create the next 2 sequences in the pattern.

Answer: _____