



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.

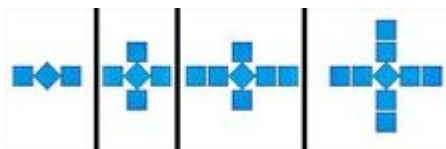
100, 82, 64, 46, 28

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: _____