Date _____   Name _____

MAFS.3.OA.4.9- Number 5

Identify arithmetic patterns (including patterns in the addition table or multiplication table); and explain them using properties of operations.

Multiple Choice Response

1. A list of numbers is shown.
   13, 17, 21, 25, 29

   What is the rule for the pattern?

   ○ add 4

   ○ subtract 4

   ○ multiply by 4

   ○ divide by 4

   Answer: _____

Hot Text

2. A rule is given.
   Highlight the pattern by shading in the addition table.

   the sum of 2 even numbers

+	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	10
2	3	4	5	6	7	8	9	10	11
3	4	5	6	7	8	9	10	11	12
4	5	6	7	8	9	10	11	12	13
5	6	7	8	9	10	11	12	13	14
6	7	8	9	10	11	12	13	14	15
7	8	9	10	11	12	13	14	15	16
8	9	10	11	12	13	14	15	16	17
9	10	11	12	13	14	15	16	17	18
10	11	12	13	14	15	16	17	18	19

   Answer: _____

Equation Response

3. A list of numbers is given.
   325, 300, 275, 250, 225
   Write a rule for the pattern.

   Answer: _____

Multi-Select Response

4. A pattern is shown.
   10, ____, 40, ____, 160
   Select the numbers to complete the pattern.

   ☐ 80

   ☐ 100

   ☐ 20

   ☐ 120

   ☐ 60

   Answer: _____

Table Response

5. A table is shown. Complete the table using the rule *times 3*.

6	
5	
9	
2	
4	
10	

   Answer: _____