



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

MAFS.3.OA.4.9- Number 3

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

Multiple Choice Response

- A list of numbers is shown.  
1, 3, 9, 27  
What is the rule for the pattern?

- add 3
- subtract 3
- multiply by 3
- divide by 3

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

Hot Text

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

*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

- A list of numbers is given.  
32, 16, 8, 4, 2, 1  
Write a rule for the pattern.

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

Multi-Select Response

- An addition table is shown.

+	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12
7	8	9	10	11	12	13
8	9	10	11	12	13	14

Use the addition table to select all the *odd* numbers.

- 8
- 5
- 2
- 4
- 9

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

Table Response

- A multiplication table is shown. Enter the multiples of 5.

×	1	2	3	4	5
1					
2					
3					
4					
5					

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