



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

MAFS.3.OA.4.9- Number 1

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

Multiple Choice

- 1. A list of numbers is shown.  
40, 20, 10, 5  
What is the rule for the pattern?

- A. add 2
- B. subtract 2
- C. multiply by 2
- D. divide by 2

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

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

Start at 6 add 3 for a total of 3 times

+	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 Editor

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

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

Table Item

- 4. A pattern is shown.  
495, 515, 535, \_\_, \_\_  
Select the next 2 numbers in the sequence.

- 545
- 555
- 525
- 575
- 565

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

Table Item

- 5. A pattern is shown enter the multiples of 7 to complete the table.

×	6	7	8
1	6		8
2	12		16
3	18		24
4	24		32
5	30		40
6	36		48
7			
8	48		64
9	54		72
10	60		80

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