Name: _____ Date: _____

Multiplication Input-Output Tables

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 4 of 10

Use the rule to fill in each table. A missing input is a missing factor: what number times the rule number gives the output? In the last two tables, find the rule first, then finish the table.

1. **Rule: Multiply by 4**

In	Out
1	4
	16
5	
9	
10	

2. **Rule: Multiply by 8**

In	Out
1	8
2	
7	
8	
	80

3. **Rule: Multiply by 2**

In	Out
2	4
3	
	14
8	
10	

4. **Rule: Multiply by 6**

In	Out
3	18
4	
5	
	48
10	

5. **Rule: Multiply by ____**

In	Out
1	9
3	27
4	36
5	45
10	

6. **Rule: Multiply by ____**

In	Out
3	21
5	35
6	42
8	56
10	

Multiplication Input-Output Tables - ANSWER KEY

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 4 of 10

Use the rule to fill in each table. A missing input is a missing factor: what number times the rule number gives the output? In the last two tables, find the rule first, then finish the table.

1. **Rule: Multiply by 4**

In	Out
1	4
4	16
5	**20**
9	**36**
10	**40**

2. **Rule: Multiply by 8**

In	Out
1	8
2	**16**
7	**56**
8	**64**
10	80

3. **Rule: Multiply by 2**

In	Out
2	4
3	**6**
7	14
8	**16**
10	**20**

4. **Rule: Multiply by 6**

In	Out
3	18
4	**24**
5	**30**
8	48
10	**60**

5. **Rule: Multiply by** **9**

In	Out
1	9
3	27
4	36
5	45
10	**90**

6. **Rule: Multiply by** **7**

In	Out
3	21
5	35
6	42
8	56
10	**70**