Name: _____ Date: _____

Multiplication Input-Output Tables

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 6 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 6**

In	Out
1	6
3	
4	
	42
9	

2. **Rule: Multiply by 2**

In	Out
2	4
3	
4	
5	
	14

3. **Rule: Multiply by 9**

In	Out
1	9
3	
6	
8	
	81

4. **Rule: Multiply by 8**

In	Out
3	24
5	
	48
7	
9	

5. **Rule: Multiply by ____**

In	Out
2	14
5	35
6	42
7	49
9	

6. **Rule: Multiply by ____**

In	Out
1	4
2	8
3	12
7	28
10	

Multiplication Input-Output Tables - ANSWER KEY

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 6 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 6**

In	Out
1	6
3	**18**
4	**24**
7	42
9	**54**

2. **Rule: Multiply by 2**

In	Out
2	4
3	**6**
4	**8**
5	**10**
7	14

3. **Rule: Multiply by 9**

In	Out
1	9
3	**27**
6	**54**
8	**72**
9	81

4. **Rule: Multiply by 8**

In	Out
3	24
5	**40**
6	48
7	**56**
9	**72**

5. **Rule: Multiply by** **7**

In	Out
2	14
5	35
6	42
7	49
9	**63**

6. **Rule: Multiply by** **4**

In	Out
1	4
2	8
3	12
7	28
10	**40**