Name: _____ Date: _____

Multiplication Input-Output Tables

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 5 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 9**

In	Out
2	18
7	
	72
9	
10	

2. **Rule: Multiply by 8**

In	Out
3	24
5	
7	
9	
	80

3. **Rule: Multiply by 2**

In	Out
1	2
4	
5	
	12
7	

4. **Rule: Multiply by 5**

In	Out
4	20
5	
	35
8	
10	

5. **Rule: Multiply by ____**

In	Out
1	6
2	12
3	18
6	36
8	

6. **Rule: Multiply by ____**

In	Out
1	3
2	6
5	15
7	21
10	

Multiplication Input-Output Tables - ANSWER KEY

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 5 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 9**

In	Out
2	18
7	**63**
8	72
9	**81**
10	**90**

2. **Rule: Multiply by 8**

In	Out
3	24
5	**40**
7	**56**
9	**72**
10	80

3. **Rule: Multiply by 2**

In	Out
1	2
4	**8**
5	**10**
6	12
7	**14**

4. **Rule: Multiply by 5**

In	Out
4	20
5	**25**
7	35
8	**40**
10	**50**

5. **Rule: Multiply by** **6**

In	Out
1	6
2	12
3	18
6	36
8	**48**

6. **Rule: Multiply by** **3**

In	Out
1	3
2	6
5	15
7	21
10	**30**