Name: _____ Date: _____

Multiplication Input-Output Tables

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 10 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 7**

In	Out
1	7
3	
	35
7	
9	

2. **Rule: Multiply by 3**

In	Out
1	3
	12
5	
8	
10	

3. **Rule: Multiply by 5**

In	Out
1	5
	20
7	
9	
10	

4. **Rule: Multiply by 4**

In	Out
1	4
2	
4	
9	
	40

5. **Rule: Multiply by ____**

In	Out
2	12
5	30
6	36
7	42
9	

6. **Rule: Multiply by ____**

In	Out
1	8
3	24
4	32
9	72
10	

Multiplication Input-Output Tables - ANSWER KEY

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 10 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 7**

In	Out
1	7
3	**21**
5	35
7	**49**
9	**63**

2. **Rule: Multiply by 3**

In	Out
1	3
4	12
5	**15**
8	**24**
10	**30**

3. **Rule: Multiply by 5**

In	Out
1	5
4	20
7	**35**
9	**45**
10	**50**

4. **Rule: Multiply by 4**

In	Out
1	4
2	**8**
4	**16**
9	**36**
10	40

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

In	Out
2	12
5	30
6	36
7	42
9	**54**

6. **Rule: Multiply by** **8**

In	Out
1	8
3	24
4	32
9	72
10	**80**