Name: _____ Date: _____

Multiplication Input-Output Tables

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 7 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 8**

In	Out
1	8
	16
4	
6	
10	

2. **Rule: Multiply by 5**

In	Out
1	5
4	
5	
	30
8	

3. **Rule: Multiply by 6**

In	Out
1	6
4	
5	
	48
10	

4. **Rule: Multiply by 9**

In	Out
2	18
3	
	36
6	
8	

5. **Rule: Multiply by ____**

In	Out
1	7
4	28
5	35
8	56
9	

6. **Rule: Multiply by ____**

In	Out
1	2
3	6
7	14
8	16
9	

Multiplication Input-Output Tables - ANSWER KEY

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 7 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 8**

In	Out
1	8
2	16
4	**32**
6	**48**
10	**80**

2. **Rule: Multiply by 5**

In	Out
1	5
4	**20**
5	**25**
6	30
8	**40**

3. **Rule: Multiply by 6**

In	Out
1	6
4	**24**
5	**30**
8	48
10	**60**

4. **Rule: Multiply by 9**

In	Out
2	18
3	**27**
4	36
6	**54**
8	**72**

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

In	Out
1	7
4	28
5	35
8	56
9	**63**

6. **Rule: Multiply by** **2**

In	Out
1	2
3	6
7	14
8	16
9	**18**