Name: _____ Date: _____

Multiplication Input-Output Tables

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 3 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	
	36
9	

2. **Rule: Multiply by 4**

In	Out
1	4
4	
	24
8	
10	

3. **Rule: Multiply by 5**

In	Out
1	5
5	
8	
	45
10	

4. **Rule: Multiply by 9**

In	Out
1	9
3	
5	
	54
9	

5. **Rule: Multiply by ____**

In	Out
2	16
4	32
5	40
6	48
10	

6. **Rule: Multiply by ____**

In	Out
1	3
3	9
6	18
8	24
10	

Multiplication Input-Output Tables - ANSWER KEY

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 3 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**
6	36
9	**54**

2. **Rule: Multiply by 4**

In	Out
1	4
4	**16**
6	24
8	**32**
10	**40**

3. **Rule: Multiply by 5**

In	Out
1	5
5	**25**
8	**40**
9	45
10	**50**

4. **Rule: Multiply by 9**

In	Out
1	9
3	**27**
5	**45**
6	54
9	**81**

5. **Rule: Multiply by __8__**

In	Out
2	16
4	32
5	40
6	48
10	**80**

6. **Rule: Multiply by __3__**

In	Out
1	3
3	9
6	18
8	24
10	**30**