Name: _____ Date: _____

Multiplication Input-Output Tables

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 2 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 4**

In	Out
5	20
6	
	32
9	
10	

2. **Rule: Multiply by 6**

In	Out
4	24
6	
	42
8	
10	

3. **Rule: Multiply by 2**

In	Out
3	6
4	
	10
7	
9	

4. **Rule: Multiply by 3**

In	Out
1	3
	12
5	
9	
10	

5. **Rule: Multiply by ____**

In	Out
1	9
4	36
5	45
8	72
9	

6. **Rule: Multiply by ____**

In	Out
2	10
5	25
6	30
7	35
10	

Multiplication Input-Output Tables - ANSWER KEY

Grade 3 | Completing input-output tables with a multiplication rule and finding the rule | Version 2 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 4**

In	Out
5	20
6	**24**
8	32
9	**36**
10	**40**

2. **Rule: Multiply by 6**

In	Out
4	24
6	**36**
7	42
8	**48**
10	**60**

3. **Rule: Multiply by 2**

In	Out
3	6
4	**8**
5	10
7	**14**
9	**18**

4. **Rule: Multiply by 3**

In	Out
1	3
4	12
5	**15**
9	**27**
10	**30**

5. **Rule: Multiply by __9__**

In	Out
1	9
4	36
5	45
8	72
9	**81**

6. **Rule: Multiply by __5__**

In	Out
2	10
5	25
6	30
7	35
10	**50**