

Name: _____

Functions

Directions: Read each word problem below. Fill in the input-output table so that it includes the data from the word problem. Then, find the missing number in the table.

1. Joshua has a function machine. He puts the number 6 in, and the number 8 comes out. He puts the number 9 in, and the number 11 comes out. He puts the number 12 in, and the number 14 comes out. If Joshua puts the number 17 in, what number will come out?

<u>Input</u>	<u>Output</u>

2. Sabrina has a function machine. She puts the number 5 in, and the number 20 comes out. She puts the number 8 in, and the number 32 comes out. She puts the number 9 in, and the number 36 comes out. If Sabrina puts the number 11 in, what number will come out?

<u>Input</u>	<u>Output</u>

3. Angelina has a function machine. She puts the number 3 in, and the number 30 comes out. She puts the number 6 in, and the number 60 comes out. She puts the number 8 in, and the number 80 comes out. If Angelina puts the number 10 in, what number will come out?

<u>Input</u>	<u>Output</u>

4. Keone has a function machine. He puts the number 9 in, and the number 2 comes out. He puts the number 13 in, and the number 6 comes out. He puts the number 15 in, and the number 8 comes out. If Keone puts the number 16 in, what number will come out?

<u>Input</u>	<u>Output</u>

5. Erin has a function machine. She puts the number 16 in, and the number 21 comes out. She puts the number 19 in, and the number 24 comes out. She puts the number 22 in, and the number 27 comes out. If Erin puts the number 25 in, what number will come out?

<u>Input</u>	<u>Output</u>

6. Marcus has a function machine. He puts the number 4 in, and the number 24 comes out. He puts the number 7 in, and the number 42 comes out. He puts the number 8 in, and the number 48 comes out. If Marcus puts the number 12 in, what number will come out?

<u>Input</u>	<u>Output</u>

Name: _____

Functions – Answer Key

Directions: Read each word problem below. Fill in the input-output table so that it includes the data from the word problem. Then, find the missing number in the table.

1. Joshua has a function machine. He puts the number 6 in, and the number 8 comes out. He puts the number 9 in, and the number 11 comes out. He puts the number 12 in, and the number 14 comes out. If Joshua puts the number 17 in, what number will come out?

<u>Input</u>	<u>Output</u>
6	8
9	11
12	14
17	19

2. Sabrina has a function machine. She puts the number 5 in, and the number 20 comes out. She puts the number 8 in, and the number 32 comes out. She puts the number 9 in, and the number 36 comes out. If Sabrina puts the number 11 in, what number will come out?

<u>Input</u>	<u>Output</u>
5	20
8	32
9	36
11	44

3. Angelina has a function machine. She puts the number 3 in, and the number 30 comes out. She puts the number 6 in, and the number 60 comes out. She puts the number 8 in, and the number 80 comes out. If Angelina puts the number 10 in, what number will come out?

<u>Input</u>	<u>Output</u>
3	30
6	60
8	80
10	100

4. Keone has a function machine. He puts the number 9 in, and the number 2 comes out. He puts the number 13 in, and the number 6 comes out. He puts the number 15 in, and the number 8 comes out. If Keone puts the number 16 in, what number will come out?

<u>Input</u>	<u>Output</u>
9	2
13	6
15	8
16	9

5. Erin has a function machine. She puts the number 16 in, and the number 21 comes out. She puts the number 19 in, and the number 24 comes out. She puts the number 22 in, and the number 27 comes out. If Erin puts the number 25 in, what number will come out?

<u>Input</u>	<u>Output</u>
16	21
19	24
22	27
25	30

6. Marcus has a function machine. He puts the number 4 in, and the number 24 comes out. He puts the number 7 in, and the number 42 comes out. He puts the number 8 in, and the number 48 comes out. If Marcus puts the number 12 in, what number will come out?

<u>Input</u>	<u>Output</u>
4	24
7	42
8	48
12	72