



Determine the number that correctly fills in the blank in the function machine.

1)

Input	Output
	3
12	8
10	6
11	7
8	4

2)

Input	Output
2	20
	70
10	100
5	50
3	30

3)

Input	Output
70	10
21	3
35	5
49	7
	9

4)

Input	Output
6	48
8	64
3	24
2	16
4	

5)

Input	Output
9	12
6	9
	5
7	10
3	6

6)

Input	Output
10	
17	9
13	5
15	7
12	4

7)

In	2	9	8	10
Out	4	11	10	12

8)

In	15	18	20	13
Out	4		9	2

9)

In	15	9	24	18
Out	5	3	8	

10)

In	6		4	7
Out	24	8	16	28

11)

In	28	21		70
Out	4	3	2	10

12)

In		18	19	15
Out	9	7	8	4

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_



Determine the number that correctly fills in the blank in the function machine.

1)

Input	Output
7	3
12	8
10	6
11	7
8	4

Rule: Sub 4

2)

Input	Output
2	20
7	70
10	100
5	50
3	30

Rule: Mult by 10

3)

Input	Output
70	10
21	3
35	5
49	7
63	9

Rule: Div by 7

4)

Input	Output
6	48
8	64
3	24
2	16
4	32

Rule: Mult by 8

5)

Input	Output
9	12
6	9
2	5
7	10
3	6

Rule: Add 3

6)

Input	Output
10	2
17	9
13	5
15	7
12	4

Rule: Sub 8

7)

In	2	9	8	10
Out	4	11	10	12

Rule: Add 2

8)

In	15	18	20	13
Out	4	7	9	2

Rule: Sub 11

9)

In	15	9	24	18
Out	5	3	8	6

Rule: Div by 3

10)

In	6	2	4	7
Out	24	8	16	28

Rule: Mult by 4

11)

In	28	21	14	70
Out	4	3	2	10

Rule: Div by 7

12)

In	20	18	19	15
Out	9	7	8	4

Rule: Sub 11

Answers1. 72. 73. 634. 325. 26. 27. 48. 79. 610. 211. 1412. 20