



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

1)

Input	Output
11	8
9	6
10	7
8	5
5	

2)

Input	Output
28	
12	3
16	4
32	8
40	10

3)

Input	Output
7	3
	6
6	2
11	7
9	5

4)

Input	Output
25	
23	7
20	4
21	5
22	6

5)

Input	Output
	72
10	80
2	16
3	24
8	64

6)

Input	Output
3	21
	70
5	35
4	28
6	42

7)

In	2		5	10
Out	20	40	50	100

8)

In	5		6	10
Out	12	14	13	17

9)

In	48	60		12
Out	8	10	6	2

10)

In	4		10	8
Out	8	10	14	12

11)

In	21	18	15	12
Out	7		5	4

12)

In	6	3	4	7
Out		18	19	22

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
11	8
9	6
10	7
8	5
5	2

Rule: Sub 3

2)

Input	Output
28	7
12	3
16	4
32	8
40	10

Rule: Div by 4

3)

Input	Output
7	3
10	6
6	2
11	7
9	5

Rule: Sub 4

4)

Input	Output
25	9
23	7
20	4
21	5
22	6

Rule: Sub 16

5)

Input	Output
9	72
10	80
2	16
3	24
8	64

Rule: Mult by 8

6)

Input	Output
3	21
10	70
5	35
4	28
6	42

Rule: Mult by 7

7)

In	2	4	5	10
Out	20	40	50	100

Rule: Mult by 10

8)

In	5	7	6	10
Out	12	14	13	17

Rule: Add 7

9)

In	48	60	36	12
Out	8	10	6	2

Rule: Div by 6

10)

In	4	6	10	8
Out	8	10	14	12

Rule: Add 4

11)

In	21	18	15	12
Out	7	6	5	4

Rule: Div by 3

12)

In	6	3	4	7
Out	21	18	19	22

Rule: Add 15

Answers

1. 2

2. 7

3. 10

4. 9

5. 9

6. 10

7. 4

8. 7

9. 36

10. 6

11. 6

12. 21