



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

1)

Input	Output
3	12
9	36
5	20
	40
7	28

2)

Input	Output
8	13
4	9
9	
7	12
5	10

3)

Input	Output
7	21
	27
4	12
2	6
5	15

4)

Input	Output
29	10
25	6
	9
21	2
26	7

5)

Input	Output
20	4
	9
25	5
40	8
50	10

6)

Input	Output
36	4
54	6
	10
45	5
72	8

7)

In	16		20	12
Out	8	5	10	6

8)

In	5	8	2	7
Out	50		20	70

9)

In		9	10	8
Out	8	15	16	14

10)

In	5	10	11	8
Out	4	9	10	7

11)

In	10	8		9
Out	30	24	9	27

12)

In	22	20	19	17
Out	8	6	5	3

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
3	12
9	36
5	20
10	40
7	28

Rule: Mult by 4

2)

Input	Output
8	13
4	9
9	14
7	12
5	10

Rule: Add 5

3)

Input	Output
7	21
9	27
4	12
2	6
5	15

Rule: Mult by 3

4)

Input	Output
29	10
25	6
28	9
21	2
26	7

Rule: Sub 19

5)

Input	Output
20	4
45	9
25	5
40	8
50	10

Rule: Div by 5

6)

Input	Output
36	4
54	6
90	10
45	5
72	8

Rule: Div by 9

7)

In	16	10	20	12
Out	8	5	10	6

Rule: Div by 2

8)

In	5	8	2	7
Out	50	80	20	70

Rule: Mult by 10

9)

In	2	9	10	8
Out	8	15	16	14

Rule: Add 6

10)

In	5	10	11	8
Out	4	9	10	7

Rule: Sub 1

11)

In	10	8	3	9
Out	30	24	9	27

Rule: Mult by 3

12)

In	22	20	19	17
Out	8	6	5	3

Rule: Sub 14

Answers1. 102. 143. 94. 285. 456. 907. 108. 809. 210. 311. 312. 10