



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

1)

Input	Output
36	6
48	8
24	
30	5
54	9

2)

Input	Output
8	
6	48
7	56
2	16
10	80

3)

Input	Output
8	56
5	35
9	63
6	42
	21

4)

Input	Output
20	3
24	7
19	2
23	
26	9

5)

Input	Output
14	8
	7
16	10
15	9
8	2

6)

Input	Output
28	9
21	2
	10
22	3
27	8

7)

In	10	7	4	6
Out	17	14		13

8)

In	20	4		16
Out	10	2	6	8

9)

In	23	21		20
Out	10	8	6	7

10)

In	6		8	5
Out	36	12	48	30

11)

In	45	30	20	10
Out	9	6	4	

12)

In	6	10	8	9
Out		24	22	23

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
36	6
48	8
24	4
30	5
54	9

Rule: Div by 6

2)

Input	Output
8	64
6	48
7	56
2	16
10	80

Rule: Mult by 8

3)

Input	Output
8	56
5	35
9	63
6	42
3	21

Rule: Mult by 7

4)

Input	Output
20	3
24	7
19	2
23	6
26	9

Rule: Sub 17

5)

Input	Output
14	8
13	7
16	10
15	9
8	2

Rule: Sub 6

6)

Input	Output
28	9
21	2
29	10
22	3
27	8

Rule: Sub 19

7)

In	10	7	4	6
Out	17	14	11	13

Rule: Add 7

8)

In	20	4	12	16
Out	10	2	6	8

Rule: Div by 2

9)

In	23	21	19	20
Out	10	8	6	7

Rule: Sub 13

10)

In	6	2	8	5
Out	36	12	48	30

Rule: Mult by 6

11)

In	45	30	20	10
Out	9	6	4	2

Rule: Div by 5

12)

In	6	10	8	9
Out	20	24	22	23

Rule: Add 14

Answers1. 42. 643. 34. 65. 136. 297. 118. 129. 1910. 211. 212. 20