



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

1)

Input	Output
3	23
6	
10	30
5	25
9	29

2)

Input	Output
30	5
48	8
18	3
	10
54	9

3)

Input	Output
30	3
20	
70	7
90	9
60	6

4)

Input	Output
	17
8	15
5	12
3	10
2	9

5)

Input	Output
64	8
80	
56	7
40	5
48	6

6)

Input	Output
10	90
	36
2	18
6	54
7	63

7)

In	8	9	7	6
Out	27	28	26	

8)

In	18	24	23	19
Out	2	8	7	3

9)

In		2	10	4
Out	18	6	30	12

10)

In	8	9	10	5
Out	7	8		4

11)

In	40	45	50	10
Out	8		10	2

12)

In	8	10	7	6
Out	32		28	24

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	23
6	26
10	30
5	25
9	29

Rule: Add 20

2)

Input	Output
30	5
48	8
18	3
60	10
54	9

Rule: Div by 6

3)

Input	Output
30	3
20	2
70	7
90	9
60	6

Rule: Div by 10

4)

Input	Output
10	17
8	15
5	12
3	10
2	9

Rule: Add 7

5)

Input	Output
64	8
80	10
56	7
40	5
48	6

Rule: Div by 8

6)

Input	Output
10	90
4	36
2	18
6	54
7	63

Rule: Mult by 9

7)

In	8	9	7	6
Out	27	28	26	25

Rule: Add 19

8)

In	18	24	23	19
Out	2	8	7	3

Rule: Sub 16

9)

In	6	2	10	4
Out	18	6	30	12

Rule: Mult by 3

10)

In	8	9	10	5
Out	7	8	9	4

Rule: Sub 1

11)

In	40	45	50	10
Out	8	9	10	2

Rule: Div by 5

12)

In	8	10	7	6
Out	32	40	28	24

Rule: Mult by 4

Answers1. 262. 603. 24. 105. 106. 47. 258. 229. 610. 911. 912. 40