



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

1)

Input	Output
3	30
9	
4	40
2	20
6	60

2)

Input	Output
50	5
	4
80	8
20	2
30	3

3)

Input	Output
4	2
	4
6	3
16	8
14	7

4)

Input	Output
15	3
17	5
22	10
	6
14	2

5)

Input	Output
10	30
5	15
6	18
3	9
	6

6)

Input	Output
9	5
14	
6	2
13	9
10	6

7)

In	8	36	24	32
Out	2	9	6	8

8)

In	20	24	23	25
Out	2	6		7

9)

In	2	9	6	7
Out	7		11	12

10)

In	8	7	3	9
Out		27	23	29

11)

In	7	6	5	
Out	20	19	18	22

12)

In	5	10	3	4
Out	15	30	9	

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	30
9	90
4	40
2	20
6	60

Rule: Mult by 10

2)

Input	Output
50	5
40	4
80	8
20	2
30	3

Rule: Div by 10

3)

Input	Output
4	2
8	4
6	3
16	8
14	7

Rule: Div by 2

4)

Input	Output
15	3
17	5
22	10
18	6
14	2

Rule: Sub 12

5)

Input	Output
10	30
5	15
6	18
3	9
2	6

Rule: Mult by 3

6)

Input	Output
9	5
14	10
6	2
13	9
10	6

Rule: Sub 4

7)

In	8	36	24	32
Out	2	9	6	8

Rule: Div by 4

8)

In	20	24	23	25
Out	2	6	5	7

Rule: Sub 18

9)

In	2	9	6	7
Out	7	14	11	12

Rule: Add 5

10)

In	8	7	3	9
Out	28	27	23	29

Rule: Add 20

11)

In	7	6	5	9
Out	20	19	18	22

Rule: Add 13

12)

In	5	10	3	4
Out	15	30	9	12

Rule: Mult by 3

Answers1. 902. 403. 84. 185. 26. 107. 78. 59. 1410. 2811. 912. 12



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

**Answers**

1)

Input	Output
3	30
9	
4	40
2	20
6	60

2)

Input	Output
50	5
	4
80	8
20	2
30	3

3)

Input	Output
4	2
	4
6	3
16	8
14	7

4)

Input	Output
15	3
17	5
22	10
	6
14	2

5)

Input	Output
10	30
5	15
6	18
3	9
	6

6)

Input	Output
9	5
14	
6	2
13	9
10	6

7)

In	8	36	24	32
Out	2	9	6	8

8)

In	20	24	23	25
Out	2	6		7

9)

In	2	9	6	7
Out	7		11	12

10)

In	8	7	3	9
Out		27	23	29

11)

In	7	6	5	
Out	20	19	18	22

12)

In	5	10	3	4
Out	15	30	9	

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