



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

1)

Input	Output
	24
9	36
3	12
8	32
10	40

2)

Input	Output
60	6
80	8
50	5
90	
100	10

3)

Input	Output
25	
29	9
22	2
23	3
28	8

4)

Input	Output
24	4
23	3
26	6
22	2
	7

5)

Input	Output
6	30
4	20
10	
2	10
3	15

6)

Input	Output
24	3
40	5
72	
64	8
16	2

7)

In	21	20	25	28
Out	3		7	10

8)

In	2	6	5	3
Out	12	36		18

9)

In		5	8	7
Out	12	8	11	10

10)

In	6	2	10	
Out	26	22	30	25

11)

In	9	8	6	
Out	11	10	8	6

12)

In	8	20		6
Out	4	10	6	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
6	24
9	36
3	12
8	32
10	40

Rule: Mult by 4

2)

Input	Output
60	6
80	8
50	5
90	9
100	10

Rule: Div by 10

3)

Input	Output
25	5
29	9
22	2
23	3
28	8

Rule: Sub 20

4)

Input	Output
24	4
23	3
26	6
22	2
27	7

Rule: Sub 20

5)

Input	Output
6	30
4	20
10	50
2	10
3	15

Rule: Mult by 5

6)

Input	Output
24	3
40	5
72	9
64	8
16	2

Rule: Div by 8

7)

In	21	20	25	28
Out	3	2	7	10

Rule: Sub 18

8)

In	2	6	5	3
Out	12	36	30	18

Rule: Mult by 6

9)

In	9	5	8	7
Out	12	8	11	10

Rule: Add 3

10)

In	6	2	10	5
Out	26	22	30	25

Rule: Add 20

11)

In	9	8	6	4
Out	11	10	8	6

Rule: Add 2

12)

In	8	20	12	6
Out	4	10	6	3

Rule: Div by 2

Answers1. 62. 93. 54. 275. 506. 97. 28. 309. 910. 511. 412. 12