



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

Answers

1)

Input	Output
72	8
18	2
54	
27	3
63	7

2)

Input	Output
11	6
13	8
	9
8	3
9	4

3)

Input	Output
6	12
3	
10	20
5	10
7	14

4)

Input	Output
8	24
2	6
7	
6	18
3	9

5)

Input	Output
6	20
5	19
4	18
	24
9	23

6)

Input	Output
42	7
	9
30	5
48	8
60	10

7)

In	9		5	2
Out	11	10	7	4

8)

In	5	7	10	9
Out	10	12	15	14

9)

In	10	7	9	2
Out	40	28	36	8

10)

In	4	8	3	
Out	3	7	2	4

11)

In	11	10	12	15
Out	5		6	9

12)

In	20	25	10	35
Out	4	5	2	7

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
72	8
18	2
54	6
27	3
63	7

Rule: Div by 9

2)

Input	Output
11	6
13	8
14	9
8	3
9	4

Rule: Sub 5

3)

Input	Output
6	12
3	6
10	20
5	10
7	14

Rule: Mult by 2

4)

Input	Output
8	24
2	6
7	21
6	18
3	9

Rule: Mult by 3

5)

Input	Output
6	20
5	19
4	18
10	24
9	23

Rule: Add 14

6)

Input	Output
42	7
54	9
30	5
48	8
60	10

Rule: Div by 6

7)

In	9	8	5	2
Out	11	10	7	4

Rule: Add 2

8)

In	5	7	10	9
Out	10	12	15	14

Rule: Add 5

9)

In	10	7	9	2
Out	40	28	36	8

Rule: Mult by 4

10)

In	4	8	3	5
Out	3	7	2	4

Rule: Sub 1

11)

In	11	10	12	15
Out	5	4	6	9

Rule: Sub 6

12)

In	20	25	10	35
Out	4	5	2	7

Rule: Div by 5

Answers

1. 6

2. 14

3. 6

4. 21

5. 10

6. 54

7. 8

8. 7

9. 24

10. 5

11. 4

12. 45