



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

1)

Input	Output
6	
8	11
4	7
5	8
9	12

2)

Input	Output
19	8
17	6
18	7
13	
21	10

3)

Input	Output
18	8
	5
19	9
16	6
13	3

4)

Input	Output
18	3
42	
12	2
36	6
54	9

5)

Input	Output
64	
56	7
80	10
72	9
16	2

6)

Input	Output
63	9
14	2
70	10
21	
56	8

7)

In	10		4	6
Out	20	14	8	12

8)

In	10	2	6	8
Out	13		9	11

9)

In	60	48	36	42
Out	10	8		7

10)

In	18	14	20	17
Out	6	2		5

11)

In	9	6	4	2
Out		20	18	16

12)

In	6	10	8	
Out	30	50	40	45

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	9
8	11
4	7
5	8
9	12

Rule: Add 3

2)

Input	Output
19	8
17	6
18	7
13	2
21	10

Rule: Sub 11

3)

Input	Output
18	8
15	5
19	9
16	6
13	3

Rule: Sub 10

4)

Input	Output
18	3
42	7
12	2
36	6
54	9

Rule: Div by 6

5)

Input	Output
64	8
56	7
80	10
72	9
16	2

Rule: Div by 8

6)

Input	Output
63	9
14	2
70	10
21	3
56	8

Rule: Div by 7

7)

In	10	7	4	6
Out	20	14	8	12

Rule: Mult by 2

8)

In	10	2	6	8
Out	13	5	9	11

Rule: Add 3

9)

In	60	48	36	42
Out	10	8	6	7

Rule: Div by 6

10)

In	18	14	20	17
Out	6	2	8	5

Rule: Sub 12

11)

In	9	6	4	2
Out	23	20	18	16

Rule: Add 14

12)

In	6	10	8	9
Out	30	50	40	45

Rule: Mult by 5

Answers

1. 9

2. 2

3. 15

4. 7

5. 8

6. 3

7. 7

8. 5

9. 6

10. 8

11. 23

12. 9



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

1)

Input	Output
6	
8	11
4	7
5	8
9	12

2)

Input	Output
19	8
17	6
18	7
13	
21	10

3)

Input	Output
18	8
	5
19	9
16	6
13	3

4)

Input	Output
18	3
42	
12	2
36	6
54	9

5)

Input	Output
64	
56	7
80	10
72	9
16	2

6)

Input	Output
63	9
14	2
70	10
21	
56	8

7)

In	10		4	6
Out	20	14	8	12

8)

In	10	2	6	8
Out	13		9	11

9)

In	60	48	36	42
Out	10	8		7

10)

In	18	14	20	17
Out	6	2		5

11)

In	9	6	4	2
Out		20	18	16

12)

In	6	10	8	
Out	30	50	40	45

Answers

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