



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

1)

Input	Output
94	99
85	
16	21
75	80
62	67

2)

Input	Output
3	27
8	72
9	81
5	45
4	

3)

Input	Output
43	55
75	87
62	74
77	
64	76

4)

Input	Output
	19
95	96
36	37
82	83
89	90

5)

Input	Output
25	12
85	72
57	44
62	49
	30

6)

Input	Output
24	3
	2
72	9
56	7
32	4

7)

In	4	5	9		8
Out	20	25	45	10	40

8)

In	3		9	4	6
Out	12	40	36	16	24

9)

In	56	21		42	63
Out	8	3	2	6	9

10)

In	2	4	5	8	9
Out	4	8		16	18

11)

In	12	24	48	54	30
Out	2	4	8	9	

12)

In	60	81	62	32	15
Out	57	78		29	12

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
94	99
85	90
16	21
75	80
62	67

Rule: Add 5

2)

Input	Output
3	27
8	72
9	81
5	45
4	36

Rule: Mult 9

3)

Input	Output
43	55
75	87
62	74
77	89
64	76

Rule: Add 12

4)

Input	Output
18	19
95	96
36	37
82	83
89	90

Rule: Add 1

5)

Input	Output
25	12
85	72
57	44
62	49
43	30

Rule: Sub 13

6)

Input	Output
24	3
16	2
72	9
56	7
32	4

Rule: Div 8

7)

In	4	5	9	2	8
Out	20	25	45	10	40

Rule: Mult 5

8)

In	3	10	9	4	6
Out	12	40	36	16	24

Rule: Mult 4

9)

In	56	21	14	42	63
Out	8	3	2	6	9

Rule: Div 7

10)

In	2	4	5	8	9
Out	4	8	10	16	18

Rule: Mult 2

11)

In	12	24	48	54	30
Out	2	4	8	9	5

Rule: Div 6

12)

In	60	81	62	32	15
Out	57	78	59	29	12

Rule: Sub 3

Answers

1. 90

2. 36

3. 89

4. 18

5. 43

6. 16

7. 2

8. 10

9. 14

10. 10

11. 5

12. 59



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

5	14	10	89	36	59
90	18	2	43	10	16

1)

Input	Output
94	99
85	
16	21
75	80
62	67

2)

Input	Output
3	27
8	72
9	81
5	45
4	

3)

Input	Output
43	55
75	87
62	74
77	
64	76

4)

Input	Output
	19
95	96
36	37
82	83
89	90

5)

Input	Output
25	12
85	72
57	44
62	49
	30

6)

Input	Output
24	3
	2
72	9
56	7
32	4

7)

In	4	5	9		8
Out	20	25	45	10	40

8)

In	3		9	4	6
Out	12	40	36	16	24

9)

In	56	21		42	63
Out	8	3	2	6	9

10)

In	2	4	5	8	9
Out	4	8		16	18

11)

In	12	24	48	54	30
Out	2	4	8	9	

12)

In	60	81	62	32	15
Out	57	78		29	12

Answers

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