



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

1)

Input	Output
65	81
24	40
37	53
8	24
93	109

Rule: Add 16

2)

Input	Output
69	68
40	39
75	74
23	22
25	24

Rule: Sub 1

3)

Input	Output
5	45
7	63
9	81
6	54
3	27

Rule: Mult 9

4)

Input	Output
100	10
30	3
40	4
20	2
60	6

Rule: Div 10

5)

Input	Output
45	55
38	48
33	43
1	11
48	58

Rule: Add 10

6)

Input	Output
99	84
109	94
55	40
77	62
64	49

Rule: Sub 15

7)

In	6	7	4	3	9
Out	30	35	20	15	45

Rule: Mult 5

8)

In	16	48	72	40	80
Out	2	6	9	5	10

Rule: Div 8

9)

In	48	21	31	2	96
Out	50	23	33	4	98

Rule: Add 2

10)

In	74	7	100	66	44
Out	73	6	99	65	43

Rule: Sub 1

11)

In	5	4	9	6	8
Out	15	12	27	18	24

Rule: Mult 3

12)

In	60	48	18	30	54
Out	10	8	3	5	9

Rule: Div 6

Answers

1. **109**

2. **75**

3. **27**

4. **20**

5. **33**

6. **64**

7. **6**

8. **40**

9. **23**

10. **66**

11. **18**

12. **60**



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6	27	40	66	64	20
18	109	60	33	75	23

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	74
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Input	Output
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Input	Output
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In		7	4	3	9
Out	30	35	20	15	45

8)

In	16	48	72		80
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9)

In	48	21	31	2	96
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10)

In	74	7	100		44
Out	73	6	99	65	43

11)

In	5	4	9	6	8
Out	15	12	27		24

12)

In		48	18	30	54
Out	10	8	3	5	9

Answers

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