Function Machines - Filling in Missing Digit Name:

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

1)

Input	Output
10	14
5	9
	11
4	8
2	6

2)

Input	Output
32	4
16	2
	10
72	9
40	5

3)

Input	Output
70	7
90	
40	4
60	6
80	8

4)

Input	Output
80	
56	7
72	9
48	6
40	5

5)

Input	Output
15	4
13	2
21	
18	7
16	5

6)

Input	Output
12	7
9	4
14	9
10	
7	2

7)

In	63	27	45	36
Out	7	3	5	

8)

In	3	7	5	4
Out	12	16		13

9)

In	9	7	10	5
Out		35	50	25

10)

In	6	4	7	8
Out	26		27	28

11)

In	17	19	13	18
Out	6	8		7

12)

In	7	3	6	4
Out	10	6	9	7

Answers

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Function Machines - Filling in Missing Digit Name: **Answer Key**

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

1)

Input	Output
10	14
5	9
7	11
4	8
2	6

Rule: Add 4

2)

Input	Output
32	4
16	2
80	10
72	9
40	5

Rule: Div by 8

3)

Input	Output
70	7
90	9
40	4
60	6
80	8

Rule: Div by 10

4)

Input	Output
80	10
56	7
72	9
48	6
40	5

Rule: Div by 8

5)

Input	Output
15	4
13	2
21	10
18	7
16	5

Rule: Sub 11

6)

Input	Output
12	7
9	4
14	9
10	5
7	2

Rule: Sub 5

7)

In	63	27	45	36
Out	7	3	5	4

Rule: Div by 9

8)

In	3	7	5	4
Out	12	16	14	13

Rule: Add 9

9)

In	9	7	10	5
Out	45	35	50	25

Rule: Mult by 5

10)

In	6	4	7	8
Out	26	24	27	28

Rule: Add 20

11)

In	17	19	13	18
Out	6	8	2	7

Rule: Sub 11

12)

In	7	3	6	4
Out	10	6	9	7

Rule: Add 3

Answers

1. 7
2. 80
3. 9
4. 10
5. 10
6. 5
7. 4
8. 14
9. 45
10. 24
11. 2
12. 8

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								