Function Machines - Filling in Missing Digit Name:

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

1)

Input	Output
56	8
28	4
49	7
	5
42	6

2)

Input	Output
9	63
10	70
3	21
8	56
	14

3)

Input	Output
8	24
10	26
	21
2	18
4	20

4)

Input	Output
5	
3	23
9	29
4	24
8	28

5)

Input	Output
8	32
10	
7	28
5	20
2	8

6)

Input	Output
9	3
11	5
15	9
14	8
16	

7)

In	12	9	5	13
Out	9	6	2	10

8)

In	5	2	6	9
Out	45	18	54	81

9)

In	56	64	48	32
Out	7	8		4

10)

In	9		8	7
Out	12	6	11	10

11)

In	18	60	24	12
Out	3	10	4	2

12)

In	9	7	2	5
Out	45		10	25

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
56	8
28	4
49	7
35	5
42	6

Rule: Div by 7

2)

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

Rule: Mult by 7

3)

Input	Output
8	24
10	26
5	21
2	18
4	20

Rule: Add 16

4)

Input	Output
5	25
3	23
9	29
4	24
8	28

Rule: Add 20

5)

Input	Output
8	32
10	40
7	28
5	20
2	8

Rule: Mult by 4

6)

Input	Output
9	3
11	5
15	9
14	8
16	10

Rule: Sub 6

7)

In	12	9	5	13
Out	9	6	2	10

Rule: Sub 3

8)

In	5	2	6	9
Out	45	18	54	81

Rule: Mult by 9

9)

In	56	64	48	32
Out	7	8	6	4

Rule: Div by 8

10)

In	9	3	8	7
Out	12	6	11	10

Rule: Add 3

11)

In	18	60	24	12
Out	3	10	4	2

Rule: Div by 6

12)

In	9	7	2	5
Out	45	35	10	25

Rule: Mult by 5

Answers

1. 35
2. 2
3. 5
4. 25
5. 40
6. 10
7. 3
8. 7
9. 6
10. 3
11. 54
12. 35

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