



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

1)

Input	Output
10	80
5	40
7	56
4	
2	16

2)

Input	Output
	12
2	10
10	18
9	17
5	13

3)

Input	Output
7	24
	26
4	21
6	23
8	25

4)

Input	Output
10	16
7	13
9	15
	12
5	11

5)

Input	Output
	4
20	2
100	10
70	7
50	5

6)

Input	Output
56	7
32	4
72	9
40	5
	2

7)

In	7	3	5	4
Out	26	22	24	23

8)

In	3	7	5	
Out	27	63	45	36

9)

In	15	13	16	
Out	9	7	10	5

10)

In	6	4	7	8
Out	30	20	35	40

11)

In		40	10	35
Out	6	8	2	7

12)

In	7	3		4
Out	14	6	12	8

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
10	80
5	40
7	56
4	32
2	16

Rule: Mult by 8

2)

Input	Output
4	12
2	10
10	18
9	17
5	13

Rule: Add 8

3)

Input	Output
7	24
9	26
4	21
6	23
8	25

Rule: Add 17

4)

Input	Output
10	16
7	13
9	15
6	12
5	11

Rule: Add 6

5)

Input	Output
40	4
20	2
100	10
70	7
50	5

Rule: Div by 10

6)

Input	Output
56	7
32	4
72	9
40	5
16	2

Rule: Div by 8

7)

In	7	3	5	4
Out	26	22	24	23

Rule: Add 19

8)

In	3	7	5	4
Out	27	63	45	36

Rule: Mult by 9

9)

In	15	13	16	11
Out	9	7	10	5

Rule: Sub 6

10)

In	6	4	7	8
Out	30	20	35	40

Rule: Mult by 5

11)

In	30	40	10	35
Out	6	8	2	7

Rule: Div by 5

12)

In	7	3	6	4
Out	14	6	12	8

Rule: Mult by 2

Answers

1. 32
2. 4
3. 9
4. 6
5. 40
6. 16
7. 2
8. 4
9. 11
10. 9
11. 30
12. 6



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

1)

Input	Output
10	80
5	40
7	56
4	
2	16

2)

Input	Output
	12
2	10
10	18
9	17
5	13

3)

Input	Output
7	24
	26
4	21
6	23
8	25

4)

Input	Output
10	16
7	13
9	15
	12
5	11

5)

Input	Output
	4
20	2
100	10
70	7
50	5

6)

Input	Output
56	7
32	4
72	9
40	5
	2

7)

In	7	3	5	4
Out	26	22	24	23

8)

In	3	7	5	
Out	27	63	45	36

9)

In	15	13	16	
Out	9	7	10	5

10)

In	6	4	7	8
Out	30	20	35	40

11)

In		40	10	35
Out	6	8	2	7

12)

In	7	3		4
Out	14	6	12	8

**Answers**

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