



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

1)

Input	Output
16	8
	5
10	2
18	10
12	4

2)

Input	Output
3	27
	81
6	54
5	45
4	36

3)

Input	Output
10	
3	9
5	15
6	18
2	6

4)

Input	Output
22	5
21	4
20	3
19	2
23	

5)

Input	Output
40	8
30	6
50	10
20	4
15	

6)

Input	Output
	27
7	26
10	29
4	23
5	24

7)

In	9	5	8	3
Out	18		16	6

8)

In	63	49	70	
Out	9	7	10	8

9)

In	8	2	7	6
Out	16	4	14	

10)

In	10	5		4
Out	22	17	19	16

11)

In	40	56	80	64
Out	5	7	10	

12)

In	22	19	21	23
Out		5	7	9

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
16	8
13	5
10	2
18	10
12	4

Rule: Sub 8

2)

Input	Output
3	27
9	81
6	54
5	45
4	36

Rule: Mult by 9

3)

Input	Output
10	30
3	9
5	15
6	18
2	6

Rule: Mult by 3

4)

Input	Output
22	5
21	4
20	3
19	2
23	6

Rule: Sub 17

5)

Input	Output
40	8
30	6
50	10
20	4
15	3

Rule: Div by 5

6)

Input	Output
8	27
7	26
10	29
4	23
5	24

Rule: Add 19

7)

In	9	5	8	3
Out	18	10	16	6

Rule: Mult by 2

8)

In	63	49	70	56
Out	9	7	10	8

Rule: Div by 7

9)

In	8	2	7	6
Out	16	4	14	12

Rule: Mult by 2

10)

In	10	5	7	4
Out	22	17	19	16

Rule: Add 12

11)

In	40	56	80	64
Out	5	7	10	8

Rule: Div by 8

12)

In	22	19	21	23
Out	8	5	7	9

Rule: Sub 14

Answers

1. 13

2. 9

3. 30

4. 6

5. 3

6. 8

7. 10

8. 56

9. 12

10. 7

11. 8

12. 8