



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

1)

Input	Output
20	9
16	
13	2
21	10
15	4

2)

Input	Output
3	14
7	18
10	
6	17
2	13

3)

Input	Output
3	9
2	8
8	14
7	
5	11

4)

Input	Output
8	48
4	24
3	
9	54
5	30

5)

Input	Output
9	18
5	10
8	16
2	
3	6

6)

Input	Output
13	10
12	
8	5
5	2
9	6

7)

In	7	8	2	4
Out	12	13	7	9

8)

In	16	40	24	80
Out	2		3	10

9)

In	56	16	24	32
Out	7	2	3	4

10)

In	8	3	7	4
Out	80	30	70	40

11)

In	2	3	5	10
Out		6	10	20

12)

In	21	6	30	24
Out	7	2	10	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
20	9
16	5
13	2
21	10
15	4

Rule: Sub 11

2)

Input	Output
3	14
7	18
10	21
6	17
2	13

Rule: Add 11

3)

Input	Output
3	9
2	8
8	14
7	13
5	11

Rule: Add 6

4)

Input	Output
8	48
4	24
3	18
9	54
5	30

Rule: Mult by 6

5)

Input	Output
9	18
5	10
8	16
2	4
3	6

Rule: Mult by 2

6)

Input	Output
13	10
12	9
8	5
5	2
9	6

Rule: Sub 3

7)

In	7	8	2	4
Out	12	13	7	9

Rule: Add 5

8)

In	16	40	24	80
Out	2	5	3	10

Rule: Div by 8

9)

In	56	16	24	32
Out	7	2	3	4

Rule: Div by 8

10)

In	8	3	7	4
Out	80	30	70	40

Rule: Mult by 10

11)

In	2	3	5	10
Out	4	6	10	20

Rule: Mult by 2

12)

In	21	6	30	24
Out	7	2	10	8

Rule: Div by 3

Answers

1. 5

2. 21

3. 13

4. 18

5. 4

6. 9

7. 3

8. 5

9. 40

10. 6

11. 4

12. 9