



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

1)

Input	Output
8	4
14	7
16	8
	5
12	6

2)

Input	Output
3	12
5	
6	24
9	36
2	8

3)

Input	Output
10	60
4	24
3	18
9	
7	42

4)

Input	Output
24	8
6	2
9	
27	9
18	6

5)

Input	Output
10	20
8	18
2	12
9	19
7	

6)

Input	Output
12	7
13	8
8	
15	10
11	6

7)

In	80	72	56	
Out	10	9	7	4

8)

In	16	17	22	23
Out		3	8	9

9)

In	5	7	9	8
Out		16	18	17

10)

In	8	3	5	6
Out	40	15	25	

11)

In	7		13	5
Out	4	6	10	2

12)

In	27	63	45	54
Out	3	7	5	6

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
8	4
14	7
16	8
10	5
12	6

Rule: Div by 2

2)

Input	Output
3	12
5	20
6	24
9	36
2	8

Rule: Mult by 4

3)

Input	Output
10	60
4	24
3	18
9	54
7	42

Rule: Mult by 6

4)

Input	Output
24	8
6	2
9	3
27	9
18	6

Rule: Div by 3

5)

Input	Output
10	20
8	18
2	12
9	19
7	17

Rule: Add 10

6)

Input	Output
12	7
13	8
8	3
15	10
11	6

Rule: Sub 5

7)

In	80	72	56	32
Out	10	9	7	4

Rule: Div by 8

8)

In	16	17	22	23
Out	2	3	8	9

Rule: Sub 14

9)

In	5	7	9	8
Out	14	16	18	17

Rule: Add 9

10)

In	8	3	5	6
Out	40	15	25	30

Rule: Mult by 5

11)

In	7	9	13	5
Out	4	6	10	2

Rule: Sub 3

12)

In	27	63	45	54
Out	3	7	5	6

Rule: Div by 9

Answers1. 102. 203. 544. 35. 176. 37. 328. 29. 1410. 3011. 912. 2



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Answers

1)

Input	Output
8	4
14	7
16	8
	5
12	6

2)

Input	Output
3	12
5	
6	24
9	36
2	8

3)

Input	Output
10	60
4	24
3	18
9	
7	42

4)

Input	Output
24	8
6	2
9	
27	9
18	6

5)

Input	Output
10	20
8	18
2	12
9	19
7	

6)

Input	Output
12	7
13	8
8	
15	10
11	6

7)

In	80	72	56	
Out	10	9	7	4

8)

In	16	17	22	23
Out		3	8	9

9)

In	5	7	9	8
Out		16	18	17

10)

In	8	3	5	6
Out	40	15	25	

11)

In	7		13	5
Out	4	6	10	2

12)

In	27	63	45	54
Out	3	7	5	6

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