



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

1)

Input	Output
3	18
6	36
10	60
5	30
	54

2)

Input	Output
5	14
8	17
3	12
10	
9	18

3)

Input	Output
	15
2	14
7	19
9	21
6	18

4)

Input	Output
10	100
	80
5	50
3	30
2	20

5)

Input	Output
8	15
10	17
7	14
5	12
6	

6)

Input	Output
12	10
6	4
	2
8	6
9	7

7)

In	8	9	7	6
Out	64	72	56	

8)

In		72	63	27
Out	2	8	7	3

9)

In	22	18	26	20
Out	6	2	10	4

10)

In		24	27	12
Out	7	8	9	4

11)

In	8	9	10	2
Out	10	11	12	

12)

In	10	12	9	8
Out	8		7	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
3	18
6	36
10	60
5	30
9	54

Rule: Mult by 6

2)

Input	Output
5	14
8	17
3	12
10	19
9	18

Rule: Add 9

3)

Input	Output
3	15
2	14
7	19
9	21
6	18

Rule: Add 12

4)

Input	Output
10	100
8	80
5	50
3	30
2	20

Rule: Mult by 10

5)

Input	Output
8	15
10	17
7	14
5	12
6	13

Rule: Add 7

6)

Input	Output
12	10
6	4
4	2
8	6
9	7

Rule: Sub 2

7)

In	8	9	7	6
Out	64	72	56	48

Rule: Mult by 8

8)

In	18	72	63	27
Out	2	8	7	3

Rule: Div by 9

9)

In	22	18	26	20
Out	6	2	10	4

Rule: Sub 16

10)

In	21	24	27	12
Out	7	8	9	4

Rule: Div by 3

11)

In	8	9	10	2
Out	10	11	12	4

Rule: Add 2

12)

In	10	12	9	8
Out	8	10	7	6

Rule: Sub 2

Answers1. 92. 193. 34. 85. 136. 47. 488. 189. 2410. 2111. 412. 10



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1)

Input	Output
3	18
6	36
10	60
5	30
	54

2)

Input	Output
5	14
8	17
3	12
10	
9	18

3)

Input	Output
	15
2	14
7	19
9	21
6	18

4)

Input	Output
10	100
	80
5	50
3	30
2	20

5)

Input	Output
8	15
10	17
7	14
5	12
6	

6)

Input	Output
12	10
6	4
	2
8	6
9	7

7)

In	8	9	7	6
Out	64	72	56	

8)

In		72	63	27
Out	2	8	7	3

9)

In	22	18	26	20
Out	6	2	10	4

10)

In		24	27	12
Out	7	8	9	4

11)

In	8	9	10	2
Out	10	11	12	

12)

In	10	12	9	8
Out	8		7	6

Answers

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