



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

1)

Input	Output
12	3
18	9
14	
19	10
16	7

2)

Input	Output
8	32
4	16
9	36
7	28
5	

3)

Input	Output
19	7
21	9
16	4
14	2
	5

4)

Input	Output
30	10
18	6
27	9
6	
21	7

5)

Input	Output
4	16
9	21
5	17
8	20
	22

6)

Input	Output
4	
6	19
10	23
5	18
8	21

7)

In	8		10	6
Out	15	12	17	13

8)

In	22	25	19	24
Out	5	8	2	

9)

In		9	10	8
Out	10	45	50	40

10)

In		81	90	63
Out	4	9	10	7

11)

In	13	11	6	12
Out	10	8		9

12)

In	16	12	10	6
Out	8	6	5	

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
12	3
18	9
14	5
19	10
16	7

Rule: Sub 9

2)

Input	Output
8	32
4	16
9	36
7	28
5	20

Rule: Mult by 4

3)

Input	Output
19	7
21	9
16	4
14	2
17	5

Rule: Sub 12

4)

Input	Output
30	10
18	6
27	9
6	2
21	7

Rule: Div by 3

5)

Input	Output
4	16
9	21
5	17
8	20
10	22

Rule: Add 12

6)

Input	Output
4	17
6	19
10	23
5	18
8	21

Rule: Add 13

7)

In	8	5	10	6
Out	15	12	17	13

Rule: Add 7

8)

In	22	25	19	24
Out	5	8	2	7

Rule: Sub 17

9)

In	2	9	10	8
Out	10	45	50	40

Rule: Mult by 5

10)

In	36	81	90	63
Out	4	9	10	7

Rule: Div by 9

11)

In	13	11	6	12
Out	10	8	3	9

Rule: Sub 3

12)

In	16	12	10	6
Out	8	6	5	3

Rule: Div by 2

Answers1. 52. 203. 174. 25. 106. 177. 58. 79. 210. 3611. 312. 3



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Input	Output
12	3
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14	
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16	7

2)

Input	Output
8	32
4	16
9	36
7	28
5	

3)

Input	Output
19	7
21	9
16	4
14	2
	5

4)

Input	Output
30	10
18	6
27	9
6	
21	7

5)

Input	Output
4	16
9	21
5	17
8	20
	22

6)

Input	Output
4	
6	19
10	23
5	18
8	21

7)

In	8		10	6
Out	15	12	17	13

8)

In	22	25	19	24
Out	5	8	2	

9)

In		9	10	8
Out	10	45	50	40

10)

In		81	90	63
Out	4	9	10	7

11)

In	13	11	6	12
Out	10	8		9

12)

In	16	12	10	6
Out	8	6	5	

Answers

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