



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

1)

Input	Output
7	14
6	13
5	12
	15
10	17

2)

Input	Output
11	5
	9
14	8
8	2
16	10

3)

Input	Output
5	45
3	27
10	90
9	81
	18

4)

Input	Output
30	3
70	7
40	
50	5
100	10

5)

Input	Output
	16
8	64
7	56
3	24
5	40

6)

Input	Output
8	48
4	24
5	30
3	18
9	

7)

In	18	6		27
Out	6	2	7	9

8)

In	20	22	21	15
Out	7	9		2

9)

In	10	18	12	15
Out	2		4	7

10)

In	8	2	9	3
Out	10	4	11	5

11)

In	5	2	4	
Out	15	6	12	9

12)

In	32		36	16
Out	8	6	9	4

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
7	14
6	13
5	12
8	15
10	17

Rule: Add 7

2)

Input	Output
11	5
15	9
14	8
8	2
16	10

Rule: Sub 6

3)

Input	Output
5	45
3	27
10	90
9	81
2	18

Rule: Mult by 9

4)

Input	Output
30	3
70	7
40	4
50	5
100	10

Rule: Div by 10

5)

Input	Output
2	16
8	64
7	56
3	24
5	40

Rule: Mult by 8

6)

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

Rule: Mult by 6

7)

In	18	6	21	27
Out	6	2	7	9

Rule: Div by 3

8)

In	20	22	21	15
Out	7	9	8	2

Rule: Sub 13

9)

In	10	18	12	15
Out	2	10	4	7

Rule: Sub 8

10)

In	8	2	9	3
Out	10	4	11	5

Rule: Add 2

11)

In	5	2	4	3
Out	15	6	12	9

Rule: Mult by 3

12)

In	32	24	36	16
Out	8	6	9	4

Rule: Div by 4

Answers1. 82. 153. 24. 45. 26. 547. 218. 89. 1010. 711. 312. 24



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10	17

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Input	Output
11	5
	9
14	8
8	2
16	10

3)

Input	Output
5	45
3	27
10	90
9	81
	18

4)

Input	Output
30	3
70	7
40	
50	5
100	10

5)

Input	Output
	16
8	64
7	56
3	24
5	40

6)

Input	Output
8	48
4	24
5	30
3	18
9	

7)

In	18	6		27
Out	6	2	7	9

8)

In	20	22	21	15
Out	7	9		2

9)

In	10	18	12	15
Out	2		4	7

10)

In	8	2	9	3
Out	10	4	11	5

11)

In	5	2	4	
Out	15	6	12	9

12)

In	32		36	16
Out	8	6	9	4

Answers

1. _____
2. _____
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12. _____