



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

1)

Input	Output
2	22
8	28
7	
9	29
6	26

2)

Input	Output
2	14
3	21
5	35
9	63
10	

3)

Input	Output
	3
22	4
27	9
23	5
24	6

4)

Input	Output
30	6
	7
45	9
40	8
25	5

5)

Input	Output
18	6
9	3
12	4
24	8
27	

6)

Input	Output
22	2
25	5
23	3
27	
29	9

7)

In	4	8	3	7
Out	32	64	24	

8)

In	2	10	5	
Out	20	100	50	30

9)

In	3	5	10	6
Out	22	24	29	25

10)

In	18	20	14	
Out	9	10	7	3

11)

In		3	4	5
Out	12	9	10	11

12)

In	48	36	24	60
Out		6	4	10

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
2	22
8	28
7	27
9	29
6	26

Rule: Add 20

2)

Input	Output
2	14
3	21
5	35
9	63
10	70

Rule: Mult by 7

3)

Input	Output
21	3
22	4
27	9
23	5
24	6

Rule: Sub 18

4)

Input	Output
30	6
35	7
45	9
40	8
25	5

Rule: Div by 5

5)

Input	Output
18	6
9	3
12	4
24	8
27	9

Rule: Div by 3

6)

Input	Output
22	2
25	5
23	3
27	7
29	9

Rule: Sub 20

7)

In	4	8	3	7
Out	32	64	24	56

Rule: Mult by 8

8)

In	2	10	5	3
Out	20	100	50	30

Rule: Mult by 10

9)

In	3	5	10	6
Out	22	24	29	25

Rule: Add 19

10)

In	18	20	14	6
Out	9	10	7	3

Rule: Div by 2

11)

In	6	3	4	5
Out	12	9	10	11

Rule: Add 6

12)

In	48	36	24	60
Out	8	6	4	10

Rule: Div by 6

Answers1. 272. 703. 214. 355. 96. 77. 568. 39. 410. 611. 612. 8



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1)

Input	Output
2	22
8	28
7	
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6	26

2)

Input	Output
2	14
3	21
5	35
9	63
10	

3)

Input	Output
	3
22	4
27	9
23	5
24	6

4)

Input	Output
30	6
	7
45	9
40	8
25	5

5)

Input	Output
18	6
9	3
12	4
24	8
27	

6)

Input	Output
22	2
25	5
23	3
27	
29	9

7)

In	4	8	3	7
Out	32	64	24	

8)

In	2	10	5	
Out	20	100	50	30

9)

In	3	5	10	6
Out	22	24	29	25

10)

In	18	20	14	
Out	9	10	7	3

11)

In		3	4	5
Out	12	9	10	11

12)

In	48	36	24	60
Out		6	4	10

Answers

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