



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

Answers

1)

Input	Output
36	37
55	
69	70
14	15
48	49

2)

Input	Output
31	21
74	64
94	84
95	85
18	

3)

Input	Output
3	
4	20
8	40
5	25
10	50

4)

Input	Output
18	
12	4
30	10
24	8
9	3

5)

Input	Output
55	70
29	44
	91
24	39
56	71

6)

Input	Output
103	
61	56
25	20
42	37
80	75

7)

In	3	5	10	2	8
Out	18	30	60	12	

8)

In		4	18	16	10
Out	7	2	9	8	5

9)

In		86	78	40	52
Out	59	92	84	46	58

10)

In	41	74	65	15	47
Out	28		52	2	34

11)

In	7	6		10	3
Out	49	42	56	70	21

12)

In	40	80	100	20	
Out	4	8	10	2	9

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
36	37
55	<b>56</b>
69	70
14	15
48	49

**Rule: Add 1**

2)

Input	Output
31	21
74	64
94	84
95	85
18	<b>8</b>

**Rule: Sub 10**

3)

Input	Output
3	<b>15</b>
4	20
8	40
5	25
10	50

**Rule: Mult 5**

4)

Input	Output
18	<b>6</b>
12	4
30	10
24	8
9	3

**Rule: Div 3**

5)

Input	Output
55	70
29	44
<b>76</b>	91
24	39
56	71

**Rule: Add 15**

6)

Input	Output
103	<b>98</b>
61	56
25	20
42	37
80	75

**Rule: Sub 5**

7)

In	3	5	10	2	8
Out	18	30	60	12	<b>48</b>

**Rule: Mult 6**

8)

In	<b>14</b>	4	18	16	10
Out	7	2	9	8	5

**Rule: Div 2**

9)

In	<b>53</b>	86	78	40	52
Out	59	92	84	46	58

**Rule: Add 6**

10)

In	41	74	65	15	47
Out	28	<b>61</b>	52	2	34

**Rule: Sub 13**

11)

In	7	6	<b>8</b>	10	3
Out	49	42	56	70	21

**Rule: Mult 7**

12)

In	40	80	100	20	<b>90</b>
Out	4	8	10	2	9

**Rule: Div 10**

Answers

1. 56

2. 8

3. 15

4. 6

5. 76

6. 98

7. 48

8. 14

9. 53

10. 61

11. 8

12. 90



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

76	14	8	90	56	53
48	98	8	15	6	61

**Answers**

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

1)

Input	Output
36	37
55	
69	70
14	15
48	49

2)

Input	Output
31	21
74	64
94	84
95	85
18	

3)

Input	Output
3	
4	20
8	40
5	25
10	50

4)

Input	Output
18	
12	4
30	10
24	8
9	3

5)

Input	Output
55	70
29	44
	91
24	39
56	71

6)

Input	Output
103	
61	56
25	20
42	37
80	75

7)

In	3	5	10	2	8
Out	18	30	60	12	

8)

In		4	18	16	10
Out	7	2	9	8	5

9)

In		86	78	40	52
Out	59	92	84	46	58

10)

In	41	74	65	15	47
Out	28		52	2	34

11)

In	7	6		10	3
Out	49	42	56	70	21

12)

In	40	80	100	20	
Out	4	8	10	2	9



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

Answers

1) 

Input	Output
84	104
	76
97	117
7	27
22	42

2) 

Input	Output
81	71
70	60
40	
73	63
95	85

3) 

Input	Output
8	32
10	
9	36
7	28
6	24

4) 

Input	Output
6	3
	2
8	4
20	10
16	8

5) 

Input	Output
78	93
	18
72	87
7	22
71	86

6) 

Input	Output
44	
74	64
94	84
90	80
95	85

7) 

In	5	6	4	2	3
Out	40	48		16	24

8) 

In	90	20	60		100
Out	9	2	6	7	10

9) 

In	61	42	40	56	97
Out	77	58		72	113

10) 

In	21	75	105	15	52
Out	15	69		9	46

11) 

In	5	4	3		10
Out	35	28	21	49	70

12) 

In	42	30	18	36	
Out	7	5	3	6	9

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
84	104
<b>56</b>	76
97	117
7	27
22	42

**Rule: Add 20**

2)

Input	Output
81	71
70	60
40	<b>30</b>
73	63
95	85

**Rule: Sub 10**

3)

Input	Output
8	32
10	<b>40</b>
9	36
7	28
6	24

**Rule: Mult 4**

4)

Input	Output
6	3
<b>4</b>	2
8	4
20	10
16	8

**Rule: Div 2**

5)

Input	Output
78	93
<b>3</b>	18
72	87
7	22
71	86

**Rule: Add 15**

6)

Input	Output
44	<b>34</b>
74	64
94	84
90	80
95	85

**Rule: Sub 10**

7)

In	5	6	4	2	3
Out	40	48	<b>32</b>	16	24

**Rule: Mult 8**

8)

In	90	20	60	<b>70</b>	100
Out	9	2	6	7	10

**Rule: Div 10**

9)

In	61	42	40	56	97
Out	77	58	<b>56</b>	72	113

**Rule: Add 16**

10)

In	21	75	105	15	52
Out	15	69	<b>99</b>	9	46

**Rule: Sub 6**

11)

In	5	4	3	<b>7</b>	10
Out	35	28	21	49	70

**Rule: Mult 7**

12)

In	42	30	18	36	<b>54</b>
Out	7	5	3	6	9

**Rule: Div 6**

Answers

1. 56

2. 30

3. 40

4. 4

5. 3

6. 34

7. 32

8. 70

9. 56

10. 99

11. 7

12. 54



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

32	70	56	7	34	40
56	54	30	4	99	3

1)

Input	Output
84	104
	76
97	117
7	27
22	42

2)

Input	Output
81	71
70	60
40	
73	63
95	85

3)

Input	Output
8	32
10	
9	36
7	28
6	24

4)

Input	Output
6	3
	2
8	4
20	10
16	8

5)

Input	Output
78	93
	18
72	87
7	22
71	86

6)

Input	Output
44	
74	64
94	84
90	80
95	85

7)

In	5	6	4	2	3
Out	40	48		16	24

8)

In	90	20	60		100
Out	9	2	6	7	10

9)

In	61	42	40	56	97
Out	77	58		72	113

10)

In	21	75	105	15	52
Out	15	69		9	46

11)

In	5	4	3		10
Out	35	28	21	49	70

12)

In	42	30	18	36	
Out	7	5	3	6	9

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
27	41
15	29
70	84
96	
86	100

2)

Input	Output
60	49
80	69
98	87
100	
72	61

3)

Input	Output
6	36
5	30
4	24
	54
7	42

4)

Input	Output
36	
16	4
40	10
32	8
12	3

5)

Input	Output
49	58
39	48
98	107
	74
25	34

6)

Input	Output
21	7
88	
30	16
45	31
47	33

7)

In	5	6	8	4	7
Out		60	80	40	70

8)

In	18	4	20		10
Out	9	2	10	7	5

9)

In	68	19		60	87
Out	73	24	45	65	92

10)

In	51	10	28	23	98
Out	42		19	14	89

11)

In	3	9	6	7	8
Out		27	18	21	24

12)

In	45	90	18		63
Out	5	10	2	9	7

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
27	41
15	29
70	84
96	<b>110</b>
86	100

**Rule: Add 14**

2)

Input	Output
60	49
80	69
98	87
100	<b>89</b>
72	61

**Rule: Sub 11**

3)

Input	Output
6	36
5	30
4	24
<b>9</b>	54
7	42

**Rule: Mult 6**

4)

Input	Output
36	<b>9</b>
16	4
40	10
32	8
12	3

**Rule: Div 4**

5)

Input	Output
49	58
39	48
98	107
<b>65</b>	74
25	34

**Rule: Add 9**

6)

Input	Output
21	7
88	<b>74</b>
30	16
45	31
47	33

**Rule: Sub 14**

7)

In	5	6	8	4	7
Out	<b>50</b>	60	80	40	70

**Rule: Mult 10**

8)

In	18	4	20	<b>14</b>	10
Out	9	2	10	7	5

**Rule: Div 2**

9)

In	68	19	<b>40</b>	60	87
Out	73	24	45	65	92

**Rule: Add 5**

10)

In	51	10	28	23	98
Out	42	<b>1</b>	19	14	89

**Rule: Sub 9**

11)

In	3	9	6	7	8
Out	<b>9</b>	27	18	21	24

**Rule: Mult 3**

12)

In	45	90	18	<b>81</b>	63
Out	5	10	2	9	7

**Rule: Div 9**

Answers

1. 110

2. 89

3. 9

4. 9

5. 65

6. 74

7. 50

8. 14

9. 40

10. 1

11. 9

12. 81





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

74	14	65	1	9	110
40	89	50	9	9	81

**Answers**

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

1)

Input	Output
27	41
15	29
70	84
96	
86	100

2)

Input	Output
60	49
80	69
98	87
100	
72	61

3)

Input	Output
6	36
5	30
4	24
	54
7	42

4)

Input	Output
36	
16	4
40	10
32	8
12	3

5)

Input	Output
49	58
39	48
98	107
	74
25	34

6)

Input	Output
21	7
88	
30	16
45	31
47	33

7)

In	5	6	8	4	7
Out		60	80	40	70

8)

In	18	4	20		10
Out	9	2	10	7	5

9)

In	68	19		60	87
Out	73	24	45	65	92

10)

In	51	10	28	23	98
Out	42		19	14	89

11)

In	3	9	6	7	8
Out		27	18	21	24

12)

In	45	90	18		63
Out	5	10	2	9	7



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

Answers

1)

Input	Output
	57
60	67
51	58
73	80
66	73

2)

Input	Output
35	32
	73
45	42
70	67
15	12

3)

Input	Output
	56
3	21
5	35
7	49
4	28

4)

Input	Output
8	4
14	7
	2
18	9
12	6

5)

Input	Output
26	46
39	59
	96
50	70
8	28

6)

Input	Output
85	
61	41
81	61
48	28
46	26

7)

In	2	4		9	5
Out	20	40	60	90	50

8)

In	54	72	36	45	81
Out	6	8		5	9

9)

In	28	96	91	79	69
Out		108	103	91	81

10)

In	57	34		28	74
Out	39	16	33	10	56

11)

In	5	4	7	6	3
Out		12	21	18	9

12)

In	48		60	54	24
Out	8	5	10	9	4

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
<b>50</b>	57
60	67
51	58
73	80
66	73

**Rule: Add 7**

2)

Input	Output
35	32
<b>76</b>	73
45	42
70	67
15	12

**Rule: Sub 3**

3)

Input	Output
<b>8</b>	56
3	21
5	35
7	49
4	28

**Rule: Mult 7**

4)

Input	Output
8	4
14	7
<b>4</b>	2
18	9
12	6

**Rule: Div 2**

5)

Input	Output
26	46
39	59
<b>76</b>	96
50	70
8	28

**Rule: Add 20**

6)

Input	Output
85	<b>65</b>
61	41
81	61
48	28
46	26

**Rule: Sub 20**

7)

In	2	4	<b>6</b>	9	5
Out	20	40	60	90	50

**Rule: Mult 10**

8)

In	54	72	36	45	81
Out	6	8	<b>4</b>	5	9

**Rule: Div 9**

9)

In	28	96	91	79	69
Out	<b>40</b>	108	103	91	81

**Rule: Add 12**

10)

In	57	34	<b>51</b>	28	74
Out	39	16	33	10	56

**Rule: Sub 18**

11)

In	5	4	7	6	3
Out	<b>15</b>	12	21	18	9

**Rule: Mult 3**

12)

In	48	<b>30</b>	60	54	24
Out	8	5	10	9	4

**Rule: Div 6**

Answers

1. 50

2. 76

3. 8

4. 4

5. 76

6. 65

7. 6

8. 4

9. 40

10. 51

11. 15

12. 30



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

40	76	65	4	51	4
30	76	50	8	6	15

1)

Input	Output
	57
60	67
51	58
73	80
66	73

2)

Input	Output
35	32
	73
45	42
70	67
15	12

3)

Input	Output
	56
3	21
5	35
7	49
4	28

4)

Input	Output
8	4
14	7
	2
18	9
12	6

5)

Input	Output
26	46
39	59
	96
50	70
8	28

6)

Input	Output
85	
61	41
81	61
48	28
46	26

7)

In	2	4		9	5
Out	20	40	60	90	50

8)

In	54	72	36	45	81
Out	6	8		5	9

9)

In	28	96	91	79	69
Out		108	103	91	81

10)

In	57	34		28	74
Out	39	16	33	10	56

11)

In	5	4	7	6	3
Out		12	21	18	9

12)

In	48		60	54	24
Out	8	5	10	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
65	81
24	40
37	53
8	24
93	<b>109</b>

**Rule: Add 16**

2)

Input	Output
69	68
40	39
<b>75</b>	74
23	22
25	24

**Rule: Sub 1**

3)

Input	Output
5	45
7	63
9	81
6	54
3	<b>27</b>

**Rule: Mult 9**

4)

Input	Output
100	10
30	3
40	4
<b>20</b>	2
60	6

**Rule: Div 10**

5)

Input	Output
45	55
38	48
<b>33</b>	43
1	11
48	58

**Rule: Add 10**

6)

Input	Output
99	84
109	94
55	40
77	62
<b>64</b>	49

**Rule: Sub 15**

7)

In	6	7	4	3	9
Out	30	35	20	15	45

**Rule: Mult 5**

8)

In	16	48	72	<b>40</b>	80
Out	2	6	9	5	10

**Rule: Div 8**

9)

In	48	21	31	2	96
Out	50	<b>23</b>	33	4	98

**Rule: Add 2**

10)

In	74	7	100	<b>66</b>	44
Out	73	6	99	65	43

**Rule: Sub 1**

11)

In	5	4	9	6	8
Out	15	12	27	<b>18</b>	24

**Rule: Mult 3**

12)

In	<b>60</b>	48	18	30	54
Out	10	8	3	5	9

**Rule: Div 6**

Answers

1. **109**

2. **75**

3. **27**

4. **20**

5. **33**

6. **64**

7. **6**

8. **40**

9. **23**

10. **66**

11. **18**

12. **60**



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

6	27	40	66	64	20
18	109	60	33	75	23

1)

Input	Output
65	81
24	40
37	53
8	24
93	

2)

Input	Output
69	68
40	39
	74
23	22
25	24

3)

Input	Output
5	45
7	63
9	81
6	54
3	

4)

Input	Output
100	10
30	3
40	4
	2
60	6

5)

Input	Output
45	55
38	48
	43
1	11
48	58

6)

Input	Output
99	84
109	94
55	40
77	62
	49

7)

In		7	4	3	9
Out	30	35	20	15	45

8)

In	16	48	72		80
Out	2	6	9	5	10

9)

In	48	21	31	2	96
Out	50		33	4	98

10)

In	74	7	100		44
Out	73	6	99	65	43

11)

In	5	4	9	6	8
Out	15	12	27		24

12)

In		48	18	30	54
Out	10	8	3	5	9

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
38	46
67	75
37	45
66	74
	82

2)

Input	Output
72	58
95	81
107	93
17	3
	8

3)

Input	Output
4	36
5	45
2	18
	27
10	90

4)

Input	Output
50	10
30	6
45	9
40	
20	4

5)

Input	Output
93	102
14	23
78	87
24	
95	104

6)

Input	Output
41	22
	31
69	50
39	20
44	25

7)

In	8	5	4	10	
Out	56	35	28	70	21

8)

In	56	80	16	64	
Out	7	10	2	8	9

9)

In	35	45	29	19	
Out	55	65	49	39	60

10)

In	78	38		28	59
Out	75	35	77	25	56

11)

In	7	2	5	4	
Out	70	20	50	40	80

12)

In		24	40	36	32
Out	4	6	10	9	8

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
38	46
67	75
37	45
66	74
<b>74</b>	82

**Rule: Add 8**

2)

Input	Output
72	58
95	81
107	93
17	3
<b>22</b>	8

**Rule: Sub 14**

3)

Input	Output
4	36
5	45
2	18
<b>3</b>	27
10	90

**Rule: Mult 9**

4)

Input	Output
50	10
30	6
45	9
40	<b>8</b>
20	4

**Rule: Div 5**

5)

Input	Output
93	102
14	23
78	87
24	<b>33</b>
95	104

**Rule: Add 9**

6)

Input	Output
41	22
<b>50</b>	31
69	50
39	20
44	25

**Rule: Sub 19**

7)

In	8	5	4	10	<b>3</b>
Out	56	35	28	70	21

**Rule: Mult 7**

8)

In	56	80	16	64	<b>72</b>
Out	7	10	2	8	9

**Rule: Div 8**

9)

In	35	45	29	19	<b>40</b>
Out	55	65	49	39	60

**Rule: Add 20**

10)

In	78	38	<b>80</b>	28	59
Out	75	35	77	25	56

**Rule: Sub 3**

11)

In	7	2	5	4	<b>8</b>
Out	70	20	50	40	80

**Rule: Mult 10**

12)

In	<b>16</b>	24	40	36	32
Out	4	6	10	9	8

**Rule: Div 4**

Answers

1. 74

2. 22

3. 3

4. 8

5. 33

6. 50

7. 3

8. 72

9. 40

10. 80

11. 8

12. 16



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

22	3	72	16	33	8
80	3	40	50	74	8

1)

Input	Output
38	46
67	75
37	45
66	74
	82

2)

Input	Output
72	58
95	81
107	93
17	3
	8

3)

Input	Output
4	36
5	45
2	18
	27
10	90

4)

Input	Output
50	10
30	6
45	9
40	
20	4

5)

Input	Output
93	102
14	23
78	87
24	
95	104

6)

Input	Output
41	22
	31
69	50
39	20
44	25

7)

In	8	5	4	10	
Out	56	35	28	70	21

8)

In	56	80	16	64	
Out	7	10	2	8	9

9)

In	35	45	29	19	
Out	55	65	49	39	60

10)

In	78	38		28	59
Out	75	35	77	25	56

11)

In	7	2	5	4	
Out	70	20	50	40	80

12)

In		24	40	36	32
Out	4	6	10	9	8

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
66	67
	28
98	99
20	21
32	33

2)

Input	Output
16	14
96	94
95	93
55	53
	1

3)

Input	Output
5	30
	42
10	60
9	54
4	24

4)

Input	Output
90	10
81	9
18	2
	3
45	5

5)

Input	Output
90	97
77	
98	105
7	14
17	24

6)

Input	Output
54	40
52	38
59	45
28	14
65	

7)

In	8	10	4	9	
Out	64	80	32	72	56

8)

In	40		36	20	12
Out	10	6	9	5	3

9)

In	24	72	94	4	33
Out	36		106	16	45

10)

In		12	84	94	58
Out	37	9	81	91	55

11)

In	5		3	7	9
Out	50	60	30	70	90

12)

In	6	8	12	10	
Out	3	4	6	5	9

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
66	67
<b>27</b>	28
98	99
20	21
32	33

**Rule: Add 1**

2)

Input	Output
16	14
96	94
95	93
55	53
<b>3</b>	1

**Rule: Sub 2**

3)

Input	Output
5	30
<b>7</b>	42
10	60
9	54
4	24

**Rule: Mult 6**

4)

Input	Output
90	10
81	9
18	2
<b>27</b>	3
45	5

**Rule: Div 9**

5)

Input	Output
90	97
77	<b>84</b>
98	105
7	14
17	24

**Rule: Add 7**

6)

Input	Output
54	40
52	38
59	45
28	14
65	<b>51</b>

**Rule: Sub 14**

7)

In	8	10	4	9	<b>7</b>
Out	64	80	32	72	56

**Rule: Mult 8**

8)

In	40	<b>24</b>	36	20	12
Out	10	6	9	5	3

**Rule: Div 4**

9)

In	24	72	94	4	33
Out	36	<b>84</b>	106	16	45

**Rule: Add 12**

10)

In	<b>40</b>	12	84	94	58
Out	37	9	81	91	55

**Rule: Sub 3**

11)

In	5	<b>6</b>	3	7	9
Out	50	60	30	70	90

**Rule: Mult 10**

12)

In	6	8	12	10	<b>18</b>
Out	3	4	6	5	9

**Rule: Div 2**

Answers

1. 27

2. 3

3. 7

4. 27

5. 84

6. 51

7. 7

8. 24

9. 84

10. 40

11. 6

12. 18



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

3	6	40	27	7	27
84	7	18	51	84	24

**Answers**

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

1)

Input	Output
66	67
	28
98	99
20	21
32	33

2)

Input	Output
16	14
96	94
95	93
55	53
	1

3)

Input	Output
5	30
	42
10	60
9	54
4	24

4)

Input	Output
90	10
81	9
18	2
	3
45	5

5)

Input	Output
90	97
77	
98	105
7	14
17	24

6)

Input	Output
54	40
52	38
59	45
28	14
65	

7)

In	8	10	4	9	
Out	64	80	32	72	56

8)

In	40		36	20	12
Out	10	6	9	5	3

9)

In	24	72	94	4	33
Out	36		106	16	45

10)

In		12	84	94	58
Out	37	9	81	91	55

11)

In	5		3	7	9
Out	50	60	30	70	90

12)

In	6	8	12	10	
Out	3	4	6	5	9



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

Answers

1)

Input	Output
43	54
49	60
8	19
1	12
18	

2)

Input	Output
82	71
	10
85	74
68	57
38	27

3)

Input	Output
2	20
9	
3	30
4	40
5	50

4)

Input	Output
42	7
30	5
60	10
	6
48	8

5)

Input	Output
5	24
38	
64	83
83	102
98	117

6)

Input	Output
24	22
44	42
41	39
11	9
	12

7)

In	8		7	9	4
Out	56	14	49	63	28

8)

In	80	16	72	64	48
Out	10	2	9		6

9)

In	65	47	3	53	58
Out	72		10	60	65

10)

In	56	89	65	53	90
Out	46		55	43	80

11)

In	7	5	4	3	
Out	63	45	36	27	18

12)

In	24	36	12	28	32
Out	6	9		7	8

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
43	54
49	60
8	19
1	12
18	<b>29</b>

**Rule: Add 11**

2)

Input	Output
82	71
<b>21</b>	10
85	74
68	57
38	27

**Rule: Sub 11**

3)

Input	Output
2	20
9	<b>90</b>
3	30
4	40
5	50

**Rule: Mult 10**

4)

Input	Output
42	7
30	5
60	10
<b>36</b>	6
48	8

**Rule: Div 6**

5)

Input	Output
5	24
38	<b>57</b>
64	83
83	102
98	117

**Rule: Add 19**

6)

Input	Output
24	22
44	42
41	39
11	9
<b>14</b>	12

**Rule: Sub 2**

7)

In	8	<b>2</b>	7	9	4
Out	56	14	49	63	28

**Rule: Mult 7**

8)

In	80	16	72	64	48
Out	10	2	9	<b>8</b>	6

**Rule: Div 8**

9)

In	65	47	3	53	58
Out	72	<b>54</b>	10	60	65

**Rule: Add 7**

10)

In	56	89	65	53	90
Out	46	<b>79</b>	55	43	80

**Rule: Sub 10**

11)

In	7	5	4	3	<b>2</b>
Out	63	45	36	27	18

**Rule: Mult 9**

12)

In	24	36	12	28	32
Out	6	9	<b>3</b>	7	8

**Rule: Div 4**

Answers

1. 29

2. 21

3. 90

4. 36

5. 57

6. 14

7. 2

8. 8

9. 54

10. 79

11. 2

12. 3



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

90	3	2	2	8	21
14	57	79	54	36	29

1)

Input	Output
43	54
49	60
8	19
1	12
18	

2)

Input	Output
82	71
	10
85	74
68	57
38	27

3)

Input	Output
2	20
9	
3	30
4	40
5	50

4)

Input	Output
42	7
30	5
60	10
	6
48	8

5)

Input	Output
5	24
38	
64	83
83	102
98	117

6)

Input	Output
24	22
44	42
41	39
11	9
	12

7)

In	8		7	9	4
Out	56	14	49	63	28

8)

In	80	16	72	64	48
Out	10	2	9		6

9)

In	65	47	3	53	58
Out	72		10	60	65

10)

In	56	89	65	53	90
Out	46		55	43	80

11)

In	7	5	4	3	
Out	63	45	36	27	18

12)

In	24	36	12	28	32
Out	6	9		7	8

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.

Answers

1)

Input	Output
11	
61	78
96	113
98	115
82	99

2)

Input	Output
95	89
80	74
62	56
7	
21	15

3)

Input	Output
3	18
4	
5	30
9	54
7	42

4)

Input	Output
45	5
81	9
54	6
90	10
	8

5)

Input	Output
	47
76	89
48	61
66	79
2	15

6)

Input	Output
24	7
42	25
36	19
108	91
28	

7)

In	6	5	8	2	3
Out	18	15	24		9

8)

In	70		42	35	56
Out	10	4	6	5	8

9)

In	68	83	8		37
Out	79	94	19	73	48

10)

In		101	91	100	84
Out	8	94	84	93	77

11)

In	6	3	10	5	8
Out	24		40	20	32

12)

In		10	8	14	18
Out	8	5	4	7	9

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
11	<b>28</b>
61	78
96	113
98	115
82	99

**Rule: Add 17**

2)

Input	Output
95	89
80	74
62	56
7	<b>1</b>
21	15

**Rule: Sub 6**

3)

Input	Output
3	18
4	<b>24</b>
5	30
9	54
7	42

**Rule: Mult 6**

4)

Input	Output
45	5
81	9
54	6
90	10
<b>72</b>	8

**Rule: Div 9**

5)

Input	Output
<b>34</b>	47
76	89
48	61
66	79
2	15

**Rule: Add 13**

6)

Input	Output
24	7
42	25
36	19
108	91
28	<b>11</b>

**Rule: Sub 17**

7)

In	6	5	8	2	3
Out	18	15	24	<b>6</b>	9

**Rule: Mult 3**

8)

In	70	<b>28</b>	42	35	56
Out	10	4	6	5	8

**Rule: Div 7**

9)

In	68	83	8	<b>62</b>	37
Out	79	94	19	73	48

**Rule: Add 11**

10)

In	<b>15</b>	101	91	100	84
Out	8	94	84	93	77

**Rule: Sub 7**

11)

In	6	3	10	5	8
Out	24	<b>12</b>	40	20	32

**Rule: Mult 4**

12)

In	<b>16</b>	10	8	14	18
Out	8	5	4	7	9

**Rule: Div 2**

Answers

1. 28

2. 1

3. 24

4. 72

5. 34

6. 11

7. 6

8. 28

9. 62

10. 15

11. 12

12. 16



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

11	34	62	28	1	12
28	72	15	16	6	24

Answers

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

1)

Input	Output
11	
61	78
96	113
98	115
82	99

2)

Input	Output
95	89
80	74
62	56
7	
21	15

3)

Input	Output
3	18
4	
5	30
9	54
7	42

4)

Input	Output
45	5
81	9
54	6
90	10
	8

5)

Input	Output
	47
76	89
48	61
66	79
2	15

6)

Input	Output
24	7
42	25
36	19
108	91
28	

7)

In	6	5	8	2	3
Out	18	15	24		9

8)

In	70		42	35	56
Out	10	4	6	5	8

9)

In	68	83	8		37
Out	79	94	19	73	48

10)

In		101	91	100	84
Out	8	94	84	93	77

11)

In	6	3	10	5	8
Out	24		40	20	32

12)

In		10	8	14	18
Out	8	5	4	7	9



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

Answers

1)

Input	Output
55	73
65	83
90	108
20	
38	56

2)

Input	Output
24	21
95	
18	15
46	43
36	33

3)

Input	Output
4	16
5	20
8	32
	24
7	28

4)

Input	Output
25	5
15	3
50	10
20	
10	2

5)

Input	Output
97	106
20	29
71	80
16	25
	65

6)

Input	Output
70	57
100	87
94	81
30	17
81	

7)

In	7	8		6	9
Out	63	72	18	54	81

8)

In	4	16	18	14	8
Out	2	8		7	4

9)

In	69	70	88	87	16
Out	84		103	102	31

10)

In	35	87	10	30	63
Out	26		1	21	54

11)

In	8		4	3	9
Out	48	42	24	18	54

12)

In	28	42		63	21
Out	4	6	5	9	3

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
55	73
65	83
90	108
20	<b>38</b>
38	56

**Rule: Add 18**

2)

Input	Output
24	21
95	<b>92</b>
18	15
46	43
36	33

**Rule: Sub 3**

3)

Input	Output
4	16
5	20
8	32
<b>6</b>	24
7	28

**Rule: Mult 4**

4)

Input	Output
25	5
15	3
50	10
20	<b>4</b>
10	2

**Rule: Div 5**

5)

Input	Output
97	106
20	29
71	80
16	25
<b>56</b>	65

**Rule: Add 9**

6)

Input	Output
70	57
100	87
94	81
30	17
81	<b>68</b>

**Rule: Sub 13**

7)

In	7	8	<b>2</b>	6	9
Out	63	72	18	54	81

**Rule: Mult 9**

8)

In	4	16	18	14	8
Out	2	8	<b>9</b>	7	4

**Rule: Div 2**

9)

In	69	70	88	87	16
Out	84	<b>85</b>	103	102	31

**Rule: Add 15**

10)

In	35	87	10	30	63
Out	26	<b>78</b>	1	21	54

**Rule: Sub 9**

11)

In	8	<b>7</b>	4	3	9
Out	48	42	24	18	54

**Rule: Mult 6**

12)

In	28	42	<b>35</b>	63	21
Out	4	6	5	9	3

**Rule: Div 7**

Answers

1. 38

2. 92

3. 6

4. 4

5. 56

6. 68

7. 2

8. 9

9. 85

10. 78

11. 7

12. 35



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

35	85	92	6	7	9
38	56	2	68	78	4

Answers

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

1)

Input	Output
55	73
65	83
90	108
20	
38	56

2)

Input	Output
24	21
95	
18	15
46	43
36	33

3)

Input	Output
4	16
5	20
8	32
	24
7	28

4)

Input	Output
25	5
15	3
50	10
20	
10	2

5)

Input	Output
97	106
20	29
71	80
16	25
	65

6)

Input	Output
70	57
100	87
94	81
30	17
81	

7)

In	7	8		6	9
Out	63	72	18	54	81

8)

In	4	16	18	14	8
Out	2	8		7	4

9)

In	69	70	88	87	16
Out	84		103	102	31

10)

In	35	87	10	30	63
Out	26		1	21	54

11)

In	8		4	3	9
Out	48	42	24	18	54

12)

In	28	42		63	21
Out	4	6	5	9	3