Determining Function Machine Rule Name:

Determine what rule the function machine is using.

1)

Input (c)	Output (w)
38	53
18	33
26	41
35	50
16	31

2)

Input (n)	Output (o)
37	45
45	53
42	50
39	47
35	43

3)

Input (w)	Output (h)
57	48
26	17
37	28
30	21
58	49

4)

Input (w)	Output (g)
30	15
44	29
25	10
31	16
51	36

5)

Input (j)	Output (e)
42	54
26	38
11	23
48	60
43	55

6)

Input (k)	Output (f)
46	35
42	31
58	47
40	29
34	23

7)

In (a)	28	33	31	44
Out (n)	42	47	45	58

8)

In (f)	29	58	24	26
Out (a)	18	47	13	15

9)

In (r)	21	30	45	11
Out (a)	29	38	53	19

10)

In (q)	60	44	29	24
Out (n)	48	32	17	12

11)

In (u)	32	31	35	41
Out (k)	17	16	20	26

12)

In (r)	45	19	39	38
Out (e)	55	29	49	48

Answers

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determining Function Machine Rule

Name: **Answer Key**

Determine what rule the function machine is using.

1)

Input (c)	Output (w)
38	53
18	33
26	41
35	50
16	31

Add 15

2)

Input (n)	Output (o)
37	45
45	53
42	50
39	47
35	43

Add 8

3)

Input (w)	Output (h)
57	48
26	17
37	28
30	21
58	49

Subtract 9

4)

Input (w)	Output (g)
30	15
44	29
25	10
31	16
51	36

Subtract 15

5)

Input (j)	Output (e)
42	54
26	38
11	23
48	60
43	55

Add 12

6)

Input (k)	Output (f)
46	35
42	31
58	47
40	29
34	23

Subtract 11

7)

In (a)	28	33	31	44
Out (n)	42	47	45	58

Add 14

8)

In (f)	29	58	24	26
Out (a)	18	47	13	15

Subtract 11

9)

In (r)	21	30	45	11
Out (a)	29	38	53	19

Add 8

10)

In (q)	60	44	29	24
Out (n)	48	32	17	12

Subtract 12

11)

In (u)	32	31	35	41
Out (k)	17	16	20	26

Subtract 15

12)

In (r)	45	19	39	38
Out (e)	55	29	49	48

Add 10

Answers

1. Add 15
2. Add 8
3. Subtract 9
4. Subtract 15
5. Add 12
6. Subtract 11
7. Add 14
8. Subtract 11
9. Add 8
10. Subtract 12
11. Subtract 15
12. Add 10

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determining Function Machine Rule Name:

Determine what rule the function machine is using.

Add 14	Subtract 11	Subtract 9	Add 12
Subtract 15	Add 8	Subtract 11	Add 15
Add 8			

1)

Input (c)	Output (w)
38	53
18	33
26	41
35	50
16	31

2)

Input (n)	Output (o)
37	45
45	53
42	50
39	47
35	43

3)

Input (w)	Output (h)
57	48
26	17
37	28
30	21
58	49

4)

Input (w)	Output (g)
30	15
44	29
25	10
31	16
51	36

5)

Input (j)	Output (e)
42	54
26	38
11	23
48	60
43	55

6)

Input (k)	Output (f)
46	35
42	31
58	47
40	29
34	23

7)

In (a)	28	33	31	44
Out (n)	42	47	45	58

8)

In (f)	29	58	24	26
Out (a)	18	47	13	15

9)

In (r)	21	30	45	11
Out (a)	29	38	53	19

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

1-9	89	78	67	56	44	33	22	11	0