



Determine what rule the function machine is using.

1)

Input (z)	Output (q)
37	45
48	56
29	37
50	58
10	18

2)

Input (f)	Output (h)
34	26
54	46
36	28
48	40
37	29

3)

Input (g)	Output (h)
13	22
41	50
46	55
25	34
40	49

4)

Input (p)	Output (a)
30	39
36	45
47	56
19	28
32	41

5)

Input (l)	Output (o)
63	48
29	14
44	29
43	28
47	32

6)

Input (t)	Output (l)
17	11
53	47
42	36
51	45
46	40

7)

In (m)	23	34	31	20
Out (k)	17	28	25	14

8)

In (e)	37	24	20	34
Out (s)	46	33	29	43

9)

In (y)	17	41	24	30
Out (i)	22	46	29	35

10)

In (w)	38	49	34	52
Out (t)	25	36	21	39

11)

In (g)	16	24	45	38
Out (v)	25	33	54	47

12)

In (q)	49	34	12	32
Out (y)	62	47	25	45

Answers

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



Determine what rule the function machine is using.

1)

Input (z)	Output (q)
37	45
48	56
29	37
50	58
10	18

Add 8

2)

Input (f)	Output (h)
34	26
54	46
36	28
48	40
37	29

Subtract 8

3)

Input (g)	Output (h)
13	22
41	50
46	55
25	34
40	49

Add 9

4)

Input (p)	Output (a)
30	39
36	45
47	56
19	28
32	41

Add 9

5)

Input (l)	Output (o)
63	48
29	14
44	29
43	28
47	32

Subtract 15

6)

Input (t)	Output (l)
17	11
53	47
42	36
51	45
46	40

Subtract 6

7)

In (m)	23	34	31	20
Out (k)	17	28	25	14

Subtract 6

8)

In (e)	37	24	20	34
Out (s)	46	33	29	43

Add 9

9)

In (y)	17	41	24	30
Out (i)	22	46	29	35

Add 5

10)

In (w)	38	49	34	52
Out (t)	25	36	21	39

Subtract 13

11)

In (g)	16	24	45	38
Out (v)	25	33	54	47

Add 9

12)

In (q)	49	34	12	32
Out (y)	62	47	25	45

Add 13

Answers

1. Add 8

2. Subtract 8

3. Add 9

4. Add 9

5. Subtract 15

6. Subtract 6

7. Subtract 6

8. Add 9

9. Add 5

10. Subtract 13

11. Add 9

12. Add 13



Determine what rule the function machine is using.

Answers

Subtract 8  
Subtract 15  
Add 9

Subtract 6  
Add 8

Subtract 6  
Add 9

Add 9  
Add 5

1)

Input (z)	Output (q)
37	45
48	56
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2)

Input (f)	Output (h)
34	26
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36	28
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3)

Input (g)	Output (h)
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4)

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Input (t)	Output (l)
17	11
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51	45
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1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_