



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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50	58
10	18

2)

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

3)

Input (g)	Output (h)
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4)

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1. _____
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3. _____
4. _____
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9. _____