



Determine what rule the function machine is using.

**Answers**

1)

Input	Output
19	15
27	23
32	28
33	29
36	32

- A. Subtract 4
- B. Subtract 6
- C. Add 4
- D. Subtract 1

2)

In	Out
11	22
23	34
35	46
43	54
48	59

- A. Subtract 11
- B. Add 10
- C. Subtract 12
- D. Add 11

3)

In	Out
14	18
15	19
34	38
45	49
49	53

- A. Subtract 5
- B. Add 3
- C. Add 4
- D. Add 5

4)

In	Out
29	21
34	26
39	31
41	33
55	47

- A. Add 8
- B. Add 11
- C. Subtract 6
- D. Subtract 8

5)

Input	Output
22	13
26	17
39	30
48	39
50	41

- A. Subtract 6
- B. Subtract 9
- C. Subtract 10
- D. Add 9

6)

Input	Output
19	12
21	14
30	23
40	33
46	39

- A. Add 9
- B. Subtract 5
- C. Subtract 7
- D. Add 7

7)

Input	Output
20	16
22	18
23	19
42	38
44	40

- A. Subtract 4
- B. Add 6
- C. Subtract 6
- D. Add 4

8)

Input	Output
29	15
41	27
52	38
53	39
54	40

- A. Add 14
- B. Subtract 14
- C. Subtract 15
- D. Subtract 12

9)

In	Out
28	14
38	24
39	25
44	30
62	48

- A. Add 17
- B. Add 14
- C. Subtract 14
- D. Subtract 17

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
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Input	Output
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41	27
52	38
53	39
54	40

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- B. Subtract 14
- C. Subtract 15
- D. Subtract 12

9)

In	Out
28	14
38	24
39	25
44	30
62	48

- A. Add 17
- B. Add 14
- C. Subtract 14
- D. Subtract 17

**Answers**

- 1.   **A**
- 2.   **D**
- 3.   **C**
- 4.   **D**
- 5.   **B**
- 6.   **C**
- 7.   **A**
- 8.   **B**
- 9.   **C**



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14	18
15	19
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- A. Subtract 5
- B.
- C. Add 4
- D. Add 5

4)

In	Out
29	21
34	26
39	31
41	33
55	47

- A. Add 8
- B. Add 11
- C.
- D. Subtract 8

5)

In	Out
22	13
26	17
39	30
48	39
50	41

- A. Subtract 6
- B. Subtract 9
- C.
- D. Add 9

6)

In	Out
19	12
21	14
30	23
40	33
46	39

- A. Add 9
- B.
- C. Subtract 7
- D. Add 7

7)

In	Out
20	16
22	18
23	19
42	38
44	40

- A. Subtract 4
- B. Add 6
- C.
- D. Add 4

8)

In	Out
29	15
41	27
52	38
53	39
54	40

- A. Add 14
- B. Subtract 14
- C. Subtract 15
- D.

9)

In	Out
28	14
38	24
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- A. Add 17
- B.
- C. Subtract 14
- D. Subtract 17

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_