



Determine what rule the function machine is using.

**Answers**

1)

Input	Output
13	23
24	34
34	44
37	47
46	56

- A. Subtract 10
- B. Add 11
- C. Add 9
- D. Add 10

2)

In	Out
16	12
41	37
48	44
51	47
52	48

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

3)

Input	Output
20	33
24	37
29	42
30	43
32	45

- A. Add 16
- B. Add 12
- C. Subtract 16
- D. Add 13

4)

In	Out
26	36
33	43
39	49
42	52
49	59

- A. Add 13
- B. Add 7
- C. Add 10
- D. Subtract 13

5)

In	Out
12	21
25	34
37	46
40	49
46	55

- A. Subtract 9
- B. Subtract 12
- C. Add 9
- D. Add 7

6)

In	Out
12	26
19	33
20	34
29	43
44	58

- A. Subtract 14
- B. Add 15
- C. Add 14
- D. Add 13

7)

Input	Output
10	20
17	27
21	31
37	47
45	55

- A. Subtract 10
- B. Add 13
- C. Add 9
- D. Add 10

8)

In	Out
14	19
17	22
20	25
28	33
35	40

- A. Add 5
- B. Add 6
- C. Subtract 6
- D. Add 2

9)

Input	Output
45	30
50	35
52	37
55	40
56	41

- A. Subtract 15
- B. Add 15
- C. Subtract 18
- D. Add 18

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



Determine what rule the function machine is using.

1)

Input	Output
13	23
24	34
34	44
37	47
46	56

- A. Subtract 10
- B. Add 11
- C. Add 9
- D. Add 10

2)

In	Out
16	12
41	37
48	44
51	47
52	48

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

3)

Input	Output
20	33
24	37
29	42
30	43
32	45

- A. Add 16
- B. Add 12
- C. Subtract 16
- D. Add 13

4)

In	Out
26	36
33	43
39	49
42	52
49	59

- A. Add 13
- B. Add 7
- C. Add 10
- D. Subtract 13

5)

In	Out
12	21
25	34
37	46
40	49
46	55

- A. Subtract 9
- B. Subtract 12
- C. Add 9
- D. Add 7

6)

In	Out
12	26
19	33
20	34
29	43
44	58

- A. Subtract 14
- B. Add 15
- C. Add 14
- D. Add 13

7)

Input	Output
10	20
17	27
21	31
37	47
45	55

- A. Subtract 10
- B. Add 13
- C. Add 9
- D. Add 10

8)

In	Out
14	19
17	22
20	25
28	33
35	40

- A. Add 5
- B. Add 6
- C. Subtract 6
- D. Add 2

9)

Input	Output
45	30
50	35
52	37
55	40
56	41

- A. Subtract 15
- B. Add 15
- C. Subtract 18
- D. Add 18

**Answers**

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



Determine what rule the function machine is using.

**Answers**

1)

In	Out
13	23
24	34
34	44
37	47
46	56

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

2)

In	Out
16	12
41	37
48	44
51	47
52	48

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

3)

In	Out
20	33
24	37
29	42
30	43
32	45

- A. Add 16
- B. Add 12
- C.
- D. Add 13

4)

In	Out
26	36
33	43
39	49
42	52
49	59

- A. Add 13
- B. Add 7
- C. Add 10
- D.

5)

In	Out
12	21
25	34
37	46
40	49
46	55

- A. Subtract 9
- B. Subtract 12
- C. Add 9
- D.

6)

In	Out
12	26
19	33
20	34
29	43
44	58

- A. Subtract 14
- B.
- C. Add 14
- D. Add 13

7)

In	Out
10	20
17	27
21	31
37	47
45	55

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

8)

In	Out
14	19
17	22
20	25
28	33
35	40

- A. Add 5
- B. Add 6
- C.
- D. Add 2

9)

In	Out
45	30
50	35
52	37
55	40
56	41

- A. Subtract 15
- B. Add 15
- C.
- D. Add 18

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