



Determining Function Machine Rule

Name: _____

Determine what rule the function machine is using.

Answers

1) Input	Output
39	25
48	34
40	26
36	22
63	49

- A. subtract 14
- B. add 31
- C. add 34
- D. subtract 32

2) Input	Output
47	41
40	34
34	28
22	16
33	27

- A. subtract 6
- B. subtract 15
- C. add 15
- D. add 22

3) Input	Output
33	43
17	27
41	51
50	60
28	38

- A. add 16
- B. subtract 13
- C. add 15
- D. add 10

4) Input	Output
48	57
20	29
34	43
29	38
21	30

- A. subtract 5
- B. add 3
- C. subtract 10
- D. add 9

5) Input	Output
23	32
41	50
33	42
19	28
37	46

- A. subtract 5
- B. add 9
- C. subtract 7
- D. add 2

6) Input	Output
29	36
49	56
43	50
34	41
40	47

- A. add 7
- B. subtract 16
- C. subtract 25
- D. add 25

7) Input	Output
48	34
26	12
56	42
37	23
29	15

- A. add 12
- B. add 13
- C. subtract 14
- D. add 14

8) Input	Output
22	36
18	32
39	53
21	35
30	44

- A. subtract 8
- B. add 14
- C. add 16
- D. subtract 14

9) Input	Output
31	21
49	39
24	14
26	16
33	23

- A. add 18
- B. add 19
- C. subtract 18
- D. subtract 10

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



Determining Function Machine Rule

Name: **Answer Key**

Determine what rule the function machine is using.

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39	25
48	34
40	26
36	22
63	49

- A. subtract 14
- B. add 31
- C. add 34
- D. subtract 32

2) Input	Output
47	41
40	34
34	28
22	16
33	27

- A. subtract 6
- B. subtract 15
- C. add 15
- D. add 22

3) Input	Output
33	43
17	27
41	51
50	60
28	38

- A. add 16
- B. subtract 13
- C. add 15
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4) Input	Output
48	57
20	29
34	43
29	38
21	30

- A. subtract 5
- B. add 3
- C. subtract 10
- D. add 9

5) Input	Output
23	32
41	50
33	42
19	28
37	46

- A. subtract 5
- B. add 9
- C. subtract 7
- D. add 2

6) Input	Output
29	36
49	56
43	50
34	41
40	47

- A. add 7
- B. subtract 16
- C. subtract 25
- D. add 25

7) Input	Output
48	34
26	12
56	42
37	23
29	15

- A. add 12
- B. add 13
- C. subtract 14
- D. add 14

8) Input	Output
22	36
18	32
39	53
21	35
30	44

- A. subtract 8
- B. add 14
- C. add 16
- D. subtract 14

9) Input	Output
31	21
49	39
24	14
26	16
33	23

- A. add 18
- B. add 19
- C. subtract 18
- D. subtract 10

Answers

1. **A**

2. **A**

3. **D**

4. **D**

5. **B**

6. **A**

7. **C**

8. **B**

9. **D**