



Determining Function Machine Rule

Name: _____

Determine what rule the function machine is using.

Answers

1)	Input	Output
30	19	
46	35	
51	40	
23	12	
45	34	

- A. add 19
B. subtract 11
C. add 20
D. subtract 10

2)	Input	Output
50	58	
35	43	
48	56	
41	49	
46	54	

- A. add 8
B. subtract 27
C. subtract 22
D. subtract 19

3)	Input	Output
34	44	
25	35	
19	29	
49	59	
16	26	

- A. add 17
B. add 10
C. subtract 12
D. subtract 19

4)	Input	Output
10	22	
37	49	
46	58	
13	25	
11	23	

- A. add 32
B. subtract 31
C. add 36
D. add 12

5)	Input	Output
57	50	
18	11	
22	15	
45	38	
40	33	

- A. subtract 10
B. add 12
C. subtract 7
D. add 11

6)	Input	Output
56	45	
61	50	
52	41	
26	15	
47	36	

- A. subtract 6
B. subtract 11
C. add 11
D. add 12

7)	Input	Output
23	30	
46	53	
49	56	
13	20	
38	45	

- A. add 7
B. add 17
C. subtract 18
D. subtract 10

8)	Input	Output
40	26	
56	42	
59	45	
33	19	
36	22	

- A. add 20
B. subtract 13
C. subtract 14
D. add 12

9)	Input	Output
29	34	
23	28	
37	42	
11	16	
45	50	

- A. subtract 6
B. add 5
C. subtract 11
D. subtract 4



Determining Function Machine Rule

Name: **Answer Key**

Determine what rule the function machine is using.

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46	35
51	40
23	12
45	34

- A. add 19
- B. subtract 11
- C. add 20
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2) Input	Output
50	58
35	43
48	56
41	49
46	54

- A. add 8
- B. subtract 27
- C. subtract 22
- D. subtract 19

3) Input	Output
34	44
25	35
19	29
49	59
16	26

- A. add 17
- B. add 10
- C. subtract 12
- D. subtract 19

4) Input	Output
10	22
37	49
46	58
13	25
11	23

- A. add 32
- B. subtract 31
- C. add 36
- D. add 12

5) Input	Output
57	50
18	11
22	15
45	38
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- A. subtract 10
- B. add 12
- C. subtract 7
- D. add 11

6) Input	Output
56	45
61	50
52	41
26	15
47	36

- A. subtract 6
- B. subtract 11
- C. add 11
- D. add 12

7) Input	Output
23	30
46	53
49	56
13	20
38	45

- A. add 7
- B. add 17
- C. subtract 18
- D. subtract 10

8) Input	Output
40	26
56	42
59	45
33	19
36	22

- A. add 20
- B. subtract 13
- C. subtract 14
- D. add 12

9) Input	Output
29	34
23	28
37	42
11	16
45	50

- A. subtract 6
- B. add 5
- C. subtract 11
- D. subtract 4

Answers

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