



Determining Function Machine Rule

Name: _____

Determine what rule the function machine is using.

Answers

1)	Input	Output
57	43	
55	41	
61	47	
58	44	
35	21	

- A. subtract 11
- B. add 5
- C. add 9
- D. subtract 14

2)	Input	Output
15	28	
18	31	
12	25	
22	35	
49	62	

- A. add 13
- B. subtract 19
- C. add 17
- D. subtract 13

3)	Input	Output
24	15	
49	40	
48	39	
31	22	
35	26	

- A. subtract 18
- B. subtract 9
- C. add 15
- D. add 17

4)	Input	Output
60	46	
43	29	
38	24	
26	12	
59	45	

- A. add 27
- B. add 33
- C. subtract 14
- D. subtract 28

5)	Input	Output
25	16	
31	22	
45	36	
49	40	
51	42	

- A. add 2
- B. subtract 8
- C. add 11
- D. subtract 9

6)	Input	Output
42	28	
51	37	
57	43	
26	12	
31	17	

- A. add 10
- B. subtract 11
- C. add 16
- D. subtract 14

7)	Input	Output
13	22	
41	50	
19	28	
23	32	
44	53	

- A. add 9
- B. subtract 21
- C. subtract 23
- D. add 14

8)	Input	Output
40	28	
58	46	
47	35	
54	42	
24	12	

- A. subtract 38
- B. add 29
- C. subtract 12
- D. add 31

9)	Input	Output
31	46	
27	42	
14	29	
21	36	
24	39	

- A. add 37
- B. add 15
- C. subtract 31
- D. add 32

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



Determining Function Machine Rule

Name: **Answer Key**

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55	41
61	47
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35	21

- A. subtract 11
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24	15
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4) Input	Output
60	46
43	29
38	24
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- A. add 27
- B. add 33
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5) Input	Output
25	16
31	22
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- A. add 2
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6) Input	Output
42	28
51	37
57	43
26	12
31	17

- A. add 10
- B. subtract 11
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- D. subtract 14

7) Input	Output
13	22
41	50
19	28
23	32
44	53

- A. add 9
- B. subtract 21
- C. subtract 23
- D. add 14

8) Input	Output
40	28
58	46
47	35
54	42
24	12

- A. subtract 38
- B. add 29
- C. subtract 12
- D. add 31

9) Input	Output
31	46
27	42
14	29
21	36
24	39

- A. add 37
- B. add 15
- C. subtract 31
- D. add 32

Answers

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