



# Determining Function Machine Rule

Name: \_\_\_\_\_

Determine what rule the function machine is using.

## Answers

1)	Input	Output
41	52	
32	43	
23	34	
25	36	
34	45	

- A. add 33
- B. add 11
- C. subtract 26
- D. add 32

2)	Input	Output
26	21	
52	47	
27	22	
19	14	
33	28	

- A. add 27
- B. add 31
- C. subtract 5
- D. add 29

3)	Input	Output
35	26	
27	18	
32	23	
53	44	
57	48	

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

4)	Input	Output
34	29	
44	39	
25	20	
27	22	
42	37	

- A. subtract 10
- B. subtract 13
- C. subtract 5
- D. add 20

5)	Input	Output
50	55	
12	17	
11	16	
23	28	
33	38	

- A. subtract 3
- B. add 6
- C. add 5
- D. subtract 10

6)	Input	Output
27	33	
44	50	
19	25	
24	30	
37	43	

- A. add 6
- B. subtract 26
- C. subtract 23
- D. add 22

7)	Input	Output
53	43	
60	50	
41	31	
36	26	
26	16	

- A. subtract 10
- B. add 21
- C. subtract 15
- D. subtract 23

8)	Input	Output
25	17	
58	50	
55	47	
57	49	
48	40	

- A. subtract 42
- B. subtract 41
- C. add 35
- D. subtract 8

9)	Input	Output
12	23	
30	41	
45	56	
37	48	
42	53	

- A. subtract 8
- B. add 5
- C. subtract 10
- D. add 11

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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32	43	
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- A. add 27
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35	26	
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34	29	
44	39	
25	20	
27	22	
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- A. subtract 10
- B. subtract 13
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50	55	
12	17	
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- A. subtract 3
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27	33	
44	50	
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24	30	
37	43	

- A. add 6
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- C. subtract 23
- D. add 22

7)	Input	Output
53	43	
60	50	
41	31	
36	26	
26	16	

- A. subtract 10
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- C. subtract 15
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8)	Input	Output
25	17	
58	50	
55	47	
57	49	
48	40	

- A. subtract 42
- B. subtract 41
- C. add 35
- D. subtract 8

9)	Input	Output
12	23	
30	41	
45	56	
37	48	
42	53	

- A. subtract 8
- B. add 5
- C. subtract 10
- D. add 11

**Answers**

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