



Determine what rule the function machine is using.

**Answers**

1)

Input	Output
25	12
53	40
48	35
51	38
35	22

- A. subtract 32
- B. subtract 13
- C. add 24
- D. subtract 29

2)

Input	Output
36	50
33	47
38	52
34	48
25	39

- A. add 14
- B. add 25
- C. subtract 30
- D. subtract 29

3)

Input	Output
31	39
14	22
45	53
50	58
15	23

- A. subtract 29
- B. add 8
- C. subtract 27
- D. add 29

4)

Input	Output
59	48
31	20
61	50
29	18
38	27

- A. subtract 1
- B. add 9
- C. add 5
- D. subtract 11

5)

Input	Output
24	17
27	20
38	31
37	30
36	29

- A. add 37
- B. subtract 7
- C. add 38
- D. subtract 32

6)

Input	Output
38	26
34	22
59	47
45	33
29	17

- A. subtract 9
- B. add 16
- C. add 18
- D. subtract 12

7)

Input	Output
16	30
45	59
24	38
43	57
39	53

- A. subtract 12
- B. subtract 8
- C. add 6
- D. add 14

8)

Input	Output
34	43
26	35
44	53
18	27
21	30

- A. add 9
- B. add 23
- C. add 21
- D. subtract 24

9)

Input	Output
33	46
17	30
23	36
16	29
29	42

- A. add 27
- B. subtract 21
- C. subtract 26
- D. add 13

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



Determine what rule the function machine is using.

1)

Input	Output
25	12
53	40
48	35
51	38
35	22

- A. subtract 32
- B. subtract 13
- C. add 24
- D. subtract 29

2)

Input	Output
36	50
33	47
38	52
34	48
25	39

- A. add 14
- B. add 25
- C. subtract 30
- D. subtract 29

3)

Input	Output
31	39
14	22
45	53
50	58
15	23

- A. subtract 29
- B. add 8
- C. subtract 27
- D. add 29

4)

Input	Output
59	48
31	20
61	50
29	18
38	27

- A. subtract 1
- B. add 9
- C. add 5
- D. subtract 11

5)

Input	Output
24	17
27	20
38	31
37	30
36	29

- A. add 37
- B. subtract 7
- C. add 38
- D. subtract 32

6)

Input	Output
38	26
34	22
59	47
45	33
29	17

- A. subtract 9
- B. add 16
- C. add 18
- D. subtract 12

7)

Input	Output
16	30
45	59
24	38
43	57
39	53

- A. subtract 12
- B. subtract 8
- C. add 6
- D. add 14

8)

Input	Output
34	43
26	35
44	53
18	27
21	30

- A. add 9
- B. add 23
- C. add 21
- D. subtract 24

9)

Input	Output
33	46
17	30
23	36
16	29
29	42

- A. add 27
- B. subtract 21
- C. subtract 26
- D. add 13

**Answers**

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