



Determine what rule the function machine is using.

**Answers**

1)

| Input | Output |
|-------|--------|
| 25    | 30     |
| 50    | 55     |
| 15    | 20     |
| 26    | 31     |
| 39    | 44     |

- A. subtract 4
- B. add 5
- C. subtract 3
- D. subtract 6

2)

| Input | Output |
|-------|--------|
| 25    | 30     |
| 18    | 23     |
| 47    | 52     |
| 36    | 41     |
| 42    | 47     |

- A. add 16
- B. subtract 18
- C. add 5
- D. subtract 14

3)

| Input | Output |
|-------|--------|
| 44    | 52     |
| 11    | 19     |
| 25    | 33     |
| 49    | 57     |
| 50    | 58     |

- A. add 8
- B. add 18
- C. subtract 9
- D. subtract 15

4)

| Input | Output |
|-------|--------|
| 48    | 57     |
| 49    | 58     |
| 15    | 24     |
| 38    | 47     |
| 40    | 49     |

- A. add 21
- B. add 9
- C. subtract 16
- D. subtract 19

5)

| Input | Output |
|-------|--------|
| 43    | 55     |
| 45    | 57     |
| 31    | 43     |
| 44    | 56     |
| 30    | 42     |

- A. subtract 11
- B. add 12
- C. subtract 6
- D. add 7

6)

| Input | Output |
|-------|--------|
| 29    | 43     |
| 18    | 32     |
| 41    | 55     |
| 23    | 37     |
| 36    | 50     |

- A. subtract 16
- B. add 8
- C. add 17
- D. add 14

7)

| Input | Output |
|-------|--------|
| 44    | 35     |
| 42    | 33     |
| 20    | 11     |
| 34    | 25     |
| 28    | 19     |

- A. subtract 9
- B. add 13
- C. subtract 18
- D. add 19

8)

| Input | Output |
|-------|--------|
| 46    | 34     |
| 31    | 19     |
| 37    | 25     |
| 54    | 42     |
| 39    | 27     |

- A. subtract 12
- B. add 7
- C. add 6
- D. subtract 9

9)

| Input | Output |
|-------|--------|
| 27    | 22     |
| 36    | 31     |
| 21    | 16     |
| 34    | 29     |
| 17    | 12     |

- A. add 20
- B. add 15
- C. subtract 11
- D. subtract 5

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



Determine what rule the function machine is using.

1)

| Input | Output |
|-------|--------|
| 25    | 30     |
| 50    | 55     |
| 15    | 20     |
| 26    | 31     |
| 39    | 44     |

- A. subtract 4
- B. add 5
- C. subtract 3
- D. subtract 6

2)

| Input | Output |
|-------|--------|
| 25    | 30     |
| 18    | 23     |
| 47    | 52     |
| 36    | 41     |
| 42    | 47     |

- A. add 16
- B. subtract 18
- C. add 5
- D. subtract 14

3)

| Input | Output |
|-------|--------|
| 44    | 52     |
| 11    | 19     |
| 25    | 33     |
| 49    | 57     |
| 50    | 58     |

- A. add 8
- B. add 18
- C. subtract 9
- D. subtract 15

4)

| Input | Output |
|-------|--------|
| 48    | 57     |
| 49    | 58     |
| 15    | 24     |
| 38    | 47     |
| 40    | 49     |

- A. add 21
- B. add 9
- C. subtract 16
- D. subtract 19

5)

| Input | Output |
|-------|--------|
| 43    | 55     |
| 45    | 57     |
| 31    | 43     |
| 44    | 56     |
| 30    | 42     |

- A. subtract 11
- B. add 12
- C. subtract 6
- D. add 7

6)

| Input | Output |
|-------|--------|
| 29    | 43     |
| 18    | 32     |
| 41    | 55     |
| 23    | 37     |
| 36    | 50     |

- A. subtract 16
- B. add 8
- C. add 17
- D. add 14

7)

| Input | Output |
|-------|--------|
| 44    | 35     |
| 42    | 33     |
| 20    | 11     |
| 34    | 25     |
| 28    | 19     |

- A. subtract 9
- B. add 13
- C. subtract 18
- D. add 19

8)

| Input | Output |
|-------|--------|
| 46    | 34     |
| 31    | 19     |
| 37    | 25     |
| 54    | 42     |
| 39    | 27     |

- A. subtract 12
- B. add 7
- C. add 6
- D. subtract 9

9)

| Input | Output |
|-------|--------|
| 27    | 22     |
| 36    | 31     |
| 21    | 16     |
| 34    | 29     |
| 17    | 12     |

- A. add 20
- B. add 15
- C. subtract 11
- D. subtract 5

**Answers**

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