



Determine what rule the function machine is using.

**Answers**

1)

| Input | Output |
|-------|--------|
| 19    | 11     |
| 36    | 28     |
| 37    | 29     |
| 27    | 19     |
| 58    | 50     |

- A. subtract 8
- B. subtract 24
- C. subtract 16
- D. add 20

2)

| Input | Output |
|-------|--------|
| 25    | 34     |
| 42    | 51     |
| 15    | 24     |
| 37    | 46     |
| 46    | 55     |

- A. subtract 19
- B. subtract 14
- C. add 18
- D. add 9

3)

| Input | Output |
|-------|--------|
| 26    | 39     |
| 38    | 51     |
| 16    | 29     |
| 32    | 45     |
| 17    | 30     |

- A. subtract 18
- B. subtract 10
- C. add 12
- D. add 13

4)

| Input | Output |
|-------|--------|
| 43    | 34     |
| 25    | 16     |
| 36    | 27     |
| 24    | 15     |
| 57    | 48     |

- A. add 21
- B. subtract 20
- C. subtract 9
- D. add 16

5)

| Input | Output |
|-------|--------|
| 37    | 50     |
| 48    | 61     |
| 49    | 62     |
| 46    | 59     |
| 44    | 57     |

- A. subtract 12
- B. subtract 13
- C. add 13
- D. subtract 15

6)

| Input | Output |
|-------|--------|
| 62    | 47     |
| 38    | 23     |
| 33    | 18     |
| 49    | 34     |
| 56    | 41     |

- A. add 34
- B. add 24
- C. subtract 27
- D. subtract 15

7)

| Input | Output |
|-------|--------|
| 40    | 51     |
| 20    | 31     |
| 18    | 29     |
| 27    | 38     |
| 35    | 46     |

- A. add 6
- B. add 11
- C. subtract 9
- D. subtract 5

8)

| Input | Output |
|-------|--------|
| 15    | 23     |
| 12    | 20     |
| 17    | 25     |
| 43    | 51     |
| 41    | 49     |

- A. subtract 11
- B. add 8
- C. add 4
- D. subtract 2

9)

| Input | Output |
|-------|--------|
| 41    | 28     |
| 59    | 46     |
| 26    | 13     |
| 62    | 49     |
| 44    | 31     |

- A. add 11
- B. subtract 12
- C. add 10
- D. subtract 13

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



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- A. subtract 19
- B. subtract 14
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3)

| Input | Output |
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| 26    | 39     |
| 38    | 51     |
| 16    | 29     |
| 32    | 45     |
| 17    | 30     |

- A. subtract 18
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- C. add 12
- D. add 13

4)

| Input | Output |
|-------|--------|
| 43    | 34     |
| 25    | 16     |
| 36    | 27     |
| 24    | 15     |
| 57    | 48     |

- A. add 21
- B. subtract 20
- C. subtract 9
- D. add 16

5)

| Input | Output |
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| 37    | 50     |
| 48    | 61     |
| 49    | 62     |
| 46    | 59     |
| 44    | 57     |

- A. subtract 12
- B. subtract 13
- C. add 13
- D. subtract 15

6)

| Input | Output |
|-------|--------|
| 62    | 47     |
| 38    | 23     |
| 33    | 18     |
| 49    | 34     |
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- B. add 24
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| Input | Output |
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| 40    | 51     |
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- B. add 11
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8)

| Input | Output |
|-------|--------|
| 15    | 23     |
| 12    | 20     |
| 17    | 25     |
| 43    | 51     |
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- A. subtract 11
- B. add 8
- C. add 4
- D. subtract 2

9)

| Input | Output |
|-------|--------|
| 41    | 28     |
| 59    | 46     |
| 26    | 13     |
| 62    | 49     |
| 44    | 31     |

- A. add 11
- B. subtract 12
- C. add 10
- D. subtract 13

**Answers**

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