



Determine what rule the function machine is using.

**Answers**

1)

| Input | Output |
|-------|--------|
| 46    | 60     |
| 31    | 45     |
| 44    | 58     |
| 18    | 32     |
| 49    | 63     |

- A. add 14  
B. add 7  
C. subtract 9  
D. subtract 7

2)

| Input | Output |
|-------|--------|
| 26    | 14     |
| 52    | 40     |
| 27    | 15     |
| 39    | 27     |
| 25    | 13     |

- A. subtract 12  
B. add 12  
C. add 10  
D. add 14

3)

| Input | Output |
|-------|--------|
| 20    | 30     |
| 24    | 34     |
| 46    | 56     |
| 11    | 21     |
| 41    | 51     |

- A. subtract 8  
B. add 10  
C. subtract 3  
D. subtract 13

4)

| Input | Output |
|-------|--------|
| 32    | 42     |
| 22    | 32     |
| 21    | 31     |
| 23    | 33     |
| 45    | 55     |

- A. add 10  
B. subtract 10  
C. add 11  
D. subtract 4

5)

| Input | Output |
|-------|--------|
| 42    | 27     |
| 45    | 30     |
| 33    | 18     |
| 53    | 38     |
| 54    | 39     |

- A. subtract 15  
B. add 9  
C. add 6  
D. subtract 8

6)

| Input | Output |
|-------|--------|
| 53    | 43     |
| 41    | 31     |
| 55    | 45     |
| 36    | 26     |
| 29    | 19     |

- A. add 18  
B. subtract 13  
C. add 17  
D. subtract 10

7)

| Input | Output |
|-------|--------|
| 16    | 26     |
| 11    | 21     |
| 48    | 58     |
| 45    | 55     |
| 10    | 20     |

- A. add 10  
B. subtract 32  
C. add 30  
D. subtract 30

8)

| Input | Output |
|-------|--------|
| 55    | 40     |
| 27    | 12     |
| 40    | 25     |
| 62    | 47     |
| 33    | 18     |

- A. subtract 15  
B. add 21  
C. subtract 22  
D. add 22

9)

| Input | Output |
|-------|--------|
| 49    | 35     |
| 62    | 48     |
| 60    | 46     |
| 39    | 25     |
| 37    | 23     |

- A. add 18  
B. subtract 21  
C. subtract 14  
D. add 23

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



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- A. add 14
- B. add 7
- C. subtract 9
- D. subtract 7

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| Input | Output |
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| 26    | 14     |
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| 27    | 15     |
| 39    | 27     |
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- A. subtract 12
- B. add 12
- C. add 10
- D. add 14

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| Input | Output |
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| 20    | 30     |
| 24    | 34     |
| 46    | 56     |
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| 41    | 51     |

- A. subtract 8
- B. add 10
- C. subtract 3
- D. subtract 13

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| Input | Output |
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| 32    | 42     |
| 22    | 32     |
| 21    | 31     |
| 23    | 33     |
| 45    | 55     |

- A. add 10
- B. subtract 10
- C. add 11
- D. subtract 4

5)

| Input | Output |
|-------|--------|
| 42    | 27     |
| 45    | 30     |
| 33    | 18     |
| 53    | 38     |
| 54    | 39     |

- A. subtract 15
- B. add 9
- C. add 6
- D. subtract 8

6)

| Input | Output |
|-------|--------|
| 53    | 43     |
| 41    | 31     |
| 55    | 45     |
| 36    | 26     |
| 29    | 19     |

- A. add 18
- B. subtract 13
- C. add 17
- D. subtract 10

7)

| Input | Output |
|-------|--------|
| 16    | 26     |
| 11    | 21     |
| 48    | 58     |
| 45    | 55     |
| 10    | 20     |

- A. add 10
- B. subtract 32
- C. add 30
- D. subtract 30

8)

| Input | Output |
|-------|--------|
| 55    | 40     |
| 27    | 12     |
| 40    | 25     |
| 62    | 47     |
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- A. subtract 15
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- C. subtract 22
- D. add 22

9)

| Input | Output |
|-------|--------|
| 49    | 35     |
| 62    | 48     |
| 60    | 46     |
| 39    | 25     |
| 37    | 23     |

- A. add 18
- B. subtract 21
- C. subtract 14
- D. add 23

**Answers**

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