



Determine what rule the function machine is using.

Answers

1)

| Input | Output |
|-------|--------|
| 30 | 20 |
| 32 | 22 |
| 34 | 24 |
| 45 | 35 |
| 46 | 36 |

- A. Subtract 10
- B. Subtract 8
- C. Add 10
- D. Add 13

2)

| In | Out |
|----|-----|
| 27 | 14 |
| 28 | 15 |
| 47 | 34 |
| 48 | 35 |
| 52 | 39 |

- A. Add 16
- B. Subtract 16
- C. Subtract 13
- D. Add 13

3)

| Input | Output |
|-------|--------|
| 24 | 20 |
| 32 | 28 |
| 33 | 29 |
| 39 | 35 |
| 51 | 47 |

- A. Subtract 4
- B. Add 5
- C. Subtract 3
- D. Add 4

4)

| Input | Output |
|-------|--------|
| 17 | 10 |
| 21 | 14 |
| 29 | 22 |
| 53 | 46 |
| 55 | 48 |

- A. Subtract 8
- B. Add 8
- C. Subtract 7
- D. Subtract 5

5)

| Input | Output |
|-------|--------|
| 19 | 13 |
| 27 | 21 |
| 33 | 27 |
| 41 | 35 |
| 48 | 42 |

- A. Subtract 7
- B. Add 7
- C. Subtract 6
- D. Add 6

6)

| In | Out |
|----|-----|
| 34 | 21 |
| 48 | 35 |
| 50 | 37 |
| 52 | 39 |
| 57 | 44 |

- A. Add 13
- B. Subtract 11
- C. Add 14
- D. Subtract 13

7)

| Input | Output |
|-------|--------|
| 20 | 11 |
| 25 | 16 |
| 29 | 20 |
| 40 | 31 |
| 41 | 32 |

- A. Subtract 6
- B. Subtract 9
- C. Subtract 12
- D. Add 12

8)

| Input | Output |
|-------|--------|
| 12 | 18 |
| 14 | 20 |
| 18 | 24 |
| 25 | 31 |
| 37 | 43 |

- A. Subtract 6
- B. Add 6
- C. Subtract 9
- D. Add 4

9)

| In | Out |
|----|-----|
| 19 | 34 |
| 35 | 50 |
| 38 | 53 |
| 44 | 59 |
| 49 | 64 |

- A. Subtract 17
- B. Add 15
- C. Add 17
- D. Subtract 15

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____



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| 32 | 28 |
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| 21 | 14 |
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5)

| Input | Output |
|-------|--------|
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| 27 | 21 |
| 33 | 27 |
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- C. Subtract 6
- D. Add 6

6)

| In | Out |
|----|-----|
| 34 | 21 |
| 48 | 35 |
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- B. Subtract 11
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7)

| Input | Output |
|-------|--------|
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| 25 | 16 |
| 29 | 20 |
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- A. Subtract 6
- B. Subtract 9
- C. Subtract 12
- D. Add 12

8)

| Input | Output |
|-------|--------|
| 12 | 18 |
| 14 | 20 |
| 18 | 24 |
| 25 | 31 |
| 37 | 43 |

- A. Subtract 6
- B. Add 6
- C. Subtract 9
- D. Add 4

9)

| In | Out |
|----|-----|
| 19 | 34 |
| 35 | 50 |
| 38 | 53 |
| 44 | 59 |
| 49 | 64 |

- A. Subtract 17
- B. Add 15
- C. Add 17
- D. Subtract 15

Answers

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



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| 32 | 22 |
| 34 | 24 |
| 45 | 35 |
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- A. Subtract 10
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2)

| In | Out |
|----|-----|
| 27 | 14 |
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- A. Add 16
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| 24 | 20 |
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- A. Subtract 8
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5)

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|----|-----|
| 19 | 13 |
| 27 | 21 |
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- A. Subtract 7
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6)

| In | Out |
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- A. Add 13
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- A. Subtract 17
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1. _____
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8. _____
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