



Determine the number that correctly fills in the blank in the function machine.

Answers

1)

| Input | Output |
|-------|--------|
| 6     |        |
| 13    | 9      |
| 7     | 3      |
| 10    | 6      |
| 9     | 5      |

2)

| Input | Output |
|-------|--------|
| 10    | 29     |
| 6     | 25     |
| 4     | 23     |
| 8     | 27     |
|       | 28     |

3)

| Input | Output |
|-------|--------|
| 9     | 11     |
| 5     | 7      |
| 7     | 9      |
|       | 6      |
| 2     | 4      |

4)

| Input | Output |
|-------|--------|
| 3     | 19     |
| 10    | 26     |
| 5     |        |
| 9     | 25     |
| 2     | 18     |

5)

| Input | Output |
|-------|--------|
| 5     | 22     |
| 6     | 23     |
| 4     | 21     |
| 8     | 25     |
| 3     |        |

6)

| Input | Output |
|-------|--------|
| 16    |        |
| 13    | 6      |
| 14    | 7      |
| 10    | 3      |
| 15    | 8      |

7)

| In  | 42 | 60 | 48 | 30 |
|-----|----|----|----|----|
| Out | 7  |    | 8  | 5  |

8)

| In  |    | 4  | 8  | 7  |
|-----|----|----|----|----|
| Out | 42 | 28 | 56 | 49 |

9)

| In  |    | 3  | 2  | 7  |
|-----|----|----|----|----|
| Out | 25 | 15 | 10 | 35 |

10)

| In  | 25 | 22 |   | 23 |
|-----|----|----|---|----|
| Out | 9  | 6  | 3 | 7  |

11)

| In  | 20 | 18 | 8 | 10 |
|-----|----|----|---|----|
| Out | 10 | 9  | 4 |    |

12)

| In  | 3 | 7  |    | 4  |
|-----|---|----|----|----|
| Out | 9 | 21 | 15 | 12 |

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



Determine the number that correctly fills in the blank in the function machine.

1)

| Input | Output |
|-------|--------|
| 6     | 2      |
| 13    | 9      |
| 7     | 3      |
| 10    | 6      |
| 9     | 5      |

Rule: Sub 4

2)

| Input | Output |
|-------|--------|
| 10    | 29     |
| 6     | 25     |
| 4     | 23     |
| 8     | 27     |
| 9     | 28     |

Rule: Add 19

3)

| Input | Output |
|-------|--------|
| 9     | 11     |
| 5     | 7      |
| 7     | 9      |
| 4     | 6      |
| 2     | 4      |

Rule: Add 2

4)

| Input | Output |
|-------|--------|
| 3     | 19     |
| 10    | 26     |
| 5     | 21     |
| 9     | 25     |
| 2     | 18     |

Rule: Add 16

5)

| Input | Output |
|-------|--------|
| 5     | 22     |
| 6     | 23     |
| 4     | 21     |
| 8     | 25     |
| 3     | 20     |

Rule: Add 17

6)

| Input | Output |
|-------|--------|
| 16    | 9      |
| 13    | 6      |
| 14    | 7      |
| 10    | 3      |
| 15    | 8      |

Rule: Sub 7

7)

| In  | 42 | 60 | 48 | 30 |
|-----|----|----|----|----|
| Out | 7  | 10 | 8  | 5  |

Rule: Div by 6

8)

| In  | 6  | 4  | 8  | 7  |
|-----|----|----|----|----|
| Out | 42 | 28 | 56 | 49 |

Rule: Mult by 7

9)

| In  | 5  | 3  | 2  | 7  |
|-----|----|----|----|----|
| Out | 25 | 15 | 10 | 35 |

Rule: Mult by 5

10)

| In  | 25 | 22 | 19 | 23 |
|-----|----|----|----|----|
| Out | 9  | 6  | 3  | 7  |

Rule: Sub 16

11)

| In  | 20 | 18 | 8 | 10 |
|-----|----|----|---|----|
| Out | 10 | 9  | 4 | 5  |

Rule: Div by 2

12)

| In  | 3 | 7  | 5  | 4  |
|-----|---|----|----|----|
| Out | 9 | 21 | 15 | 12 |

Rule: Mult by 3

Answers1. 22. 93. 44. 215. 206. 97. 108. 69. 510. 1911. 512. 5