



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

Answers

1)

| Input | Output |
|-------|--------|
| 14 | 2 |
| 56 | 8 |
| 49 | 7 |
| 63 | 9 |
| | 6 |

2)

| Input | Output |
|-------|--------|
| 2 | 7 |
| 3 | 8 |
| 5 | 10 |
| 9 | 14 |
| | 15 |

3)

| Input | Output |
|-------|--------|
| 3 | 15 |
| 4 | 20 |
| 9 | |
| 5 | 25 |
| 6 | 30 |

4)

| Input | Output |
|-------|--------|
| 13 | 6 |
| 14 | 7 |
| | 9 |
| 15 | 8 |
| 12 | 5 |

5)

| Input | Output |
|-------|--------|
| 11 | 6 |
| 8 | |
| 9 | 4 |
| 13 | 8 |
| 14 | 9 |

6)

| Input | Output |
|-------|--------|
| 2 | 6 |
| 5 | 15 |
| 3 | 9 |
| 7 | 21 |
| | 27 |

7)

| In | 4 | | 3 | 7 |
|-----|---|----|---|----|
| Out | 8 | 12 | 7 | 11 |

8)

| In | 2 | 10 | 5 | 3 |
|-----|---|----|---|---|
| Out | 6 | 14 | 9 | 7 |

9)

| In | 24 | 40 | 80 | |
|-----|----|----|----|---|
| Out | 3 | 5 | 10 | 6 |

10)

| In | 23 | 24 | 21 | 17 |
|-----|----|----|----|----|
| Out | 9 | 10 | 7 | 3 |

11)

| In | 60 | 30 | 40 | 50 |
|-----|----|----|----|----|
| Out | | 3 | 4 | 5 |

12)

| In | 9 | 7 | 5 | 11 |
|-----|---|---|---|----|
| Out | 8 | 6 | 4 | 10 |

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 |
|-------|--------|
| 14 | 2 |
| 56 | 8 |
| 49 | 7 |
| 63 | 9 |
| 42 | 6 |

Rule: Div by 7

2)

| Input | Output |
|-------|--------|
| 2 | 7 |
| 3 | 8 |
| 5 | 10 |
| 9 | 14 |
| 10 | 15 |

Rule: Add 5

3)

| Input | Output |
|-------|--------|
| 3 | 15 |
| 4 | 20 |
| 9 | 45 |
| 5 | 25 |
| 6 | 30 |

Rule: Mult by 5

4)

| Input | Output |
|-------|--------|
| 13 | 6 |
| 14 | 7 |
| 16 | 9 |
| 15 | 8 |
| 12 | 5 |

Rule: Sub 7

5)

| Input | Output |
|-------|--------|
| 11 | 6 |
| 8 | 3 |
| 9 | 4 |
| 13 | 8 |
| 14 | 9 |

Rule: Sub 5

6)

| Input | Output |
|-------|--------|
| 2 | 6 |
| 5 | 15 |
| 3 | 9 |
| 7 | 21 |
| 9 | 27 |

Rule: Mult by 3

7)

| In | 4 | 8 | 3 | 7 |
|-----|---|----|---|----|
| Out | 8 | 12 | 7 | 11 |

Rule: Add 4

8)

| In | 2 | 10 | 5 | 3 |
|-----|---|----|---|---|
| Out | 6 | 14 | 9 | 7 |

Rule: Add 4

9)

| In | 24 | 40 | 80 | 48 |
|-----|----|----|----|----|
| Out | 3 | 5 | 10 | 6 |

Rule: Div by 8

10)

| In | 23 | 24 | 21 | 17 |
|-----|----|----|----|----|
| Out | 9 | 10 | 7 | 3 |

Rule: Sub 14

11)

| In | 60 | 30 | 40 | 50 |
|-----|----|----|----|----|
| Out | 6 | 3 | 4 | 5 |

Rule: Div by 10

12)

| In | 9 | 7 | 5 | 11 |
|-----|---|---|---|----|
| Out | 8 | 6 | 4 | 10 |

Rule: Sub 1

Answers1. 422. 103. 454. 165. 36. 97. 88. 79. 4810. 211. 612. 3