



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

1)

| Input | Output |
|-------|--------|
| | 10 |
| 9 | 16 |
| 4 | 11 |
| 2 | 9 |
| 6 | 13 |

2)

| Input | Output |
|-------|--------|
| 22 | 5 |
| 21 | 4 |
| 25 | 8 |
| 19 | 2 |
| | 3 |

3)

| Input | Output |
|-------|--------|
| 19 | 2 |
| 21 | 4 |
| 20 | 3 |
| 25 | 8 |
| | 7 |

4)

| Input | Output |
|-------|--------|
| 3 | 30 |
| 5 | |
| 10 | 100 |
| 6 | 60 |
| 2 | 20 |

5)

| Input | Output |
|-------|--------|
| 10 | |
| 5 | 15 |
| 6 | 16 |
| 3 | 13 |
| 2 | 12 |

6)

| Input | Output |
|-------|--------|
| 5 | 50 |
| 10 | 100 |
| 2 | 20 |
| | 90 |
| 6 | 60 |

7)

| In | 17 | 24 | 21 | 23 |
|-----|----|----|----|----|
| Out | 2 | 9 | 6 | |

8)

| In | 2 | 6 | 5 | 7 |
|-----|---|----|---|----|
| Out | 4 | 12 | | 14 |

9)

| In | 6 | 27 | 18 | 21 |
|-----|---|----|----|----|
| Out | 2 | 9 | 6 | 7 |

10)

| In | 32 | 28 | 12 | 36 |
|-----|----|----|----|----|
| Out | 8 | 7 | 3 | 9 |

11)

| In | 21 | 18 | 15 | 27 |
|-----|----|----|----|----|
| Out | 7 | 6 | | 9 |

12)

| In | 5 | 10 | 3 | 4 |
|-----|----|----|---|----|
| Out | 24 | 29 | | 23 |

Answers

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 |
|-------|--------|
| 3 | 10 |
| 9 | 16 |
| 4 | 11 |
| 2 | 9 |
| 6 | 13 |

Rule: Add 7

2)

| Input | Output |
|-------|--------|
| 22 | 5 |
| 21 | 4 |
| 25 | 8 |
| 19 | 2 |
| 20 | 3 |

Rule: Sub 17

3)

| Input | Output |
|-------|--------|
| 19 | 2 |
| 21 | 4 |
| 20 | 3 |
| 25 | 8 |
| 24 | 7 |

Rule: Sub 17

4)

| Input | Output |
|-------|--------|
| 3 | 30 |
| 5 | 50 |
| 10 | 100 |
| 6 | 60 |
| 2 | 20 |

Rule: Mult by 10

5)

| Input | Output |
|-------|--------|
| 10 | 20 |
| 5 | 15 |
| 6 | 16 |
| 3 | 13 |
| 2 | 12 |

Rule: Add 10

6)

| Input | Output |
|-------|--------|
| 5 | 50 |
| 10 | 100 |
| 2 | 20 |
| 9 | 90 |
| 6 | 60 |

Rule: Mult by 10

7)

| In | 17 | 24 | 21 | 23 |
|-----|----|----|----|----|
| Out | 2 | 9 | 6 | 8 |

Rule: Sub 15

8)

| In | 2 | 6 | 5 | 7 |
|-----|---|----|----|----|
| Out | 4 | 12 | 10 | 14 |

Rule: Mult by 2

9)

| In | 6 | 27 | 18 | 21 |
|-----|---|----|----|----|
| Out | 2 | 9 | 6 | 7 |

Rule: Div by 3

10)

| In | 32 | 28 | 12 | 36 |
|-----|----|----|----|----|
| Out | 8 | 7 | 3 | 9 |

Rule: Div by 4

11)

| In | 21 | 18 | 15 | 27 |
|-----|----|----|----|----|
| Out | 7 | 6 | 5 | 9 |

Rule: Div by 3

12)

| In | 5 | 10 | 3 | 4 |
|-----|----|----|----|----|
| Out | 24 | 29 | 22 | 23 |

Rule: Add 19

Answers1. 32. 203. 244. 505. 206. 97. 88. 109. 2410. 1011. 512. 22