



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

1)

| Input | Output |
|-------|--------|
| 8 | 12 |
| | 8 |
| 7 | 11 |
| 5 | 9 |
| 6 | 10 |

2)

| Input | Output |
|-------|--------|
| 19 | 9 |
| 20 | 10 |
| 13 | 3 |
| 18 | 8 |
| 12 | |

3)

| Input | Output |
|-------|--------|
| 8 | |
| 10 | 70 |
| 5 | 35 |
| 2 | 14 |
| 4 | 28 |

4)

| Input | Output |
|-------|--------|
| 5 | 35 |
| 3 | 21 |
| 9 | 63 |
| 4 | 28 |
| | 56 |

5)

| Input | Output |
|-------|--------|
| 10 | 8 |
| 12 | 10 |
| 9 | 7 |
| 7 | 5 |
| 4 | |

6)

| Input | Output |
|-------|--------|
| 12 | |
| 20 | 5 |
| 36 | 9 |
| 32 | 8 |
| 40 | 10 |

7)

| In | 81 | 54 | 18 | 90 |
|-----|----|----|----|----|
| Out | 9 | 6 | | 10 |

8)

| In | 25 | 22 | 26 | 29 |
|-----|----|----|----|----|
| Out | | 2 | 6 | 9 |

9)

| In | 7 | 8 | 6 | 4 |
|-----|---|----|----|----|
| Out | | 16 | 14 | 12 |

10)

| In | 9 | 3 | 8 | 7 |
|-----|----|----|---|----|
| Out | 72 | 24 | | 56 |

11)

| In | 3 | 10 | 4 | 2 |
|-----|----|----|----|---|
| Out | 23 | 30 | 24 | |

12)

| In | 16 | 14 | 9 | 12 |
|-----|----|----|---|----|
| Out | 9 | 7 | 2 | 5 |

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 |
|-------|--------|
| 8 | 12 |
| 4 | 8 |
| 7 | 11 |
| 5 | 9 |
| 6 | 10 |

Rule: Add 4

2)

| Input | Output |
|-------|--------|
| 19 | 9 |
| 20 | 10 |
| 13 | 3 |
| 18 | 8 |
| 12 | 2 |

Rule: Sub 10

3)

| Input | Output |
|-------|--------|
| 8 | 56 |
| 10 | 70 |
| 5 | 35 |
| 2 | 14 |
| 4 | 28 |

Rule: Mult by 7

4)

| Input | Output |
|-------|--------|
| 5 | 35 |
| 3 | 21 |
| 9 | 63 |
| 4 | 28 |
| 8 | 56 |

Rule: Mult by 7

5)

| Input | Output |
|-------|--------|
| 10 | 8 |
| 12 | 10 |
| 9 | 7 |
| 7 | 5 |
| 4 | 2 |

Rule: Sub 2

6)

| Input | Output |
|-------|--------|
| 12 | 3 |
| 20 | 5 |
| 36 | 9 |
| 32 | 8 |
| 40 | 10 |

Rule: Div by 4

7)

| In | 81 | 54 | 18 | 90 |
|-----|----|----|----|----|
| Out | 9 | 6 | 2 | 10 |

Rule: Div by 9

8)

| In | 25 | 22 | 26 | 29 |
|-----|----|----|----|----|
| Out | 5 | 2 | 6 | 9 |

Rule: Sub 20

9)

| In | 7 | 8 | 6 | 4 |
|-----|----|----|----|----|
| Out | 15 | 16 | 14 | 12 |

Rule: Add 8

10)

| In | 9 | 3 | 8 | 7 |
|-----|----|----|----|----|
| Out | 72 | 24 | 64 | 56 |

Rule: Mult by 8

11)

| In | 3 | 10 | 4 | 2 |
|-----|----|----|----|----|
| Out | 23 | 30 | 24 | 22 |

Rule: Add 20

12)

| In | 16 | 14 | 9 | 12 |
|-----|----|----|---|----|
| Out | 9 | 7 | 2 | 5 |

Rule: Sub 7

Answers1. 42. 23. 564. 85. 26. 37. 28. 59. 1510. 6411. 2212. 11



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

1)

| Input | Output |
|-------|--------|
| 8 | 12 |
| | 8 |
| 7 | 11 |
| 5 | 9 |
| 6 | 10 |

2)

| Input | Output |
|-------|--------|
| 19 | 9 |
| 20 | 10 |
| 13 | 3 |
| 18 | 8 |
| 12 | |

3)

| Input | Output |
|-------|--------|
| 8 | |
| 10 | 70 |
| 5 | 35 |
| 2 | 14 |
| 4 | 28 |

4)

| Input | Output |
|-------|--------|
| 5 | 35 |
| 3 | 21 |
| 9 | 63 |
| 4 | 28 |
| | 56 |

5)

| Input | Output |
|-------|--------|
| 10 | 8 |
| 12 | 10 |
| 9 | 7 |
| 7 | 5 |
| 4 | |

6)

| Input | Output |
|-------|--------|
| 12 | |
| 20 | 5 |
| 36 | 9 |
| 32 | 8 |
| 40 | 10 |

7)

| In | 81 | 54 | 18 | 90 |
|-----|----|----|----|----|
| Out | 9 | 6 | | 10 |

8)

| In | 25 | 22 | 26 | 29 |
|-----|----|----|----|----|
| Out | | 2 | 6 | 9 |

9)

| In | 7 | 8 | 6 | 4 |
|-----|---|----|----|----|
| Out | | 16 | 14 | 12 |

10)

| In | 9 | 3 | 8 | 7 |
|-----|----|----|---|----|
| Out | 72 | 24 | | 56 |

11)

| In | 3 | 10 | 4 | 2 |
|-----|----|----|----|---|
| Out | 23 | 30 | 24 | |

12)

| In | 16 | 14 | 9 | 12 |
|-----|----|----|---|----|
| Out | 9 | 7 | 2 | 5 |

Answers

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