

Solving Addition and Subtraction Equations

Explain how to get the variable alone in each equation.

1. $n + 10 = 100$
 $n + 10 - 10 = 100 - 10$

2. $x - 75 = 49$
 $x - 75 + \underline{\quad} = 49 + \underline{\quad}$

Solve each equation and check your answer.

3. $g - 8 = 25$

4. $25 + y = 42$

5. $r + 82 = 97$

6. $30 = m - 18$

7. $150 = e + 42$

8. $a - 51 = 12$

9. Jo loaned Al \$15. She had \$15 left. Solve the equation $15 = s - 15$ to find how much money Jo had before she made the loan.

- A \$0
- B \$15
- C \$30
- D \$60

10. **Critical Thinking** If $n + 10 = 40$, then what is the value of the expression $n - 25$?

- A 5
- B 25
- C 30
- D 50

11. **Writing to Explain** Explain how to solve the equation $35 + p = 92$. Then solve.
