

LESSON
2-4 **Practice B**
Equations and Their Solutions

Determine whether the given value of the variable is a solution.

- $9 + x = 21$ for $x = 11$ _____
- $n - 12 = 5$ for $n = 17$ _____
- $25 \cdot r = 75$ for $r = 3$ _____
- $72 \div q = 8$ for $q = 9$ _____
- $28 + c = 43$ for $c = 15$ _____
- $u \div 11 = 10$ for $u = 111$ _____
- $\frac{k}{8} = 4$ for $k = 24$ _____
- $16x = 48$ for $x = 3$ _____
- $73 - f = 29$ for $f = 54$ _____
- $67 - j = 25$ for $j = 42$ _____
- $39 \div v = 13$ for $v = 3$ _____
- $88 + d = 100$ for $d = 2$ _____
- $14p = 20$ for $p = 5$ _____
- $6w = 30$ for $w = 5$ _____
- $7 + x = 70$ for $x = 10$ _____
- $6 \cdot n = 174$ for $n = 29$ _____

Replace each \square with a number that makes the equation correct.

- $5 + 1 = 2 + \square$ _____
- $10 - \square = 12 - 7$ _____
- $\square \cdot 3 = 2 \cdot 9$ _____
- $28 \div 4 = 14 \div \square$ _____
- $\square + 8 = 6 + 3$ _____
- $12 \cdot 0 = \square \cdot 15$ _____
- Carla had \$15. After she bought lunch, she had \$8 left. Write an equation using the variable x to model this situation. What does your variable represent?

- Seventy-two people signed up for the soccer league. After the players were evenly divided into teams, there were 6 teams in the league. Write an equation to model this situation using the variable x .

