

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

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

1. $9 + x = 21$ for $x = 11$ _____
2. $n - 12 = 5$ for $n = 17$ _____
3. $25 \cdot r = 75$ for $r = 3$ _____
4. $72 \div q = 8$ for $q = 9$ _____
5. $28 + c = 43$ for $c = 15$ _____
6. $u \div 11 = 10$ for $u = 111$ _____
7. $\frac{k}{8} = 4$ for $k = 24$ _____
8. $16x = 48$ for $x = 3$ _____
9. $73 - f = 29$ for $f = 54$ _____
10. $67 - j = 25$ for $j = 42$ _____
11. $39 \div v = 13$ for $v = 3$ _____
12. $88 + d = 100$ for $d = 2$ _____
13. $14p = 20$ for $p = 5$ _____
14. $6w = 30$ for $w = 5$ _____
15. $7 + x = 70$ for $x = 10$ _____
16. $6 \cdot n = 174$ for $n = 29$ _____

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

17. $5 + 1 = 2 + \square$ _____
18. $10 - \square = 12 - 7$ _____
19. $\square \cdot 3 = 2 \cdot 9$ _____
20. $28 \div 4 = 14 \div \square$ _____
21. $\square + 8 = 6 + 3$ _____
22. $12 \cdot 0 = \square \cdot 15$ _____
23. 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?

24. 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 .
