

Practice 2-7

Solving Multiplication and Division Equations

State whether the number given is a solution to the equation.

1. $8c = 80; c = 10$ 2. $b \div 7 = 8; b = 56$ 3. $9m = 108; m = 12$ 4. $y \div 9 = 17; y = 163$

5. $9r = 72; r = 7$ 6. $14b = 56; b = 4$ 7. $48 = y \div 4; y = 12$ 8. $32 = y \div 8; y = 256$

9. $17a = 41; a = 3$ 10. $w \div 21 = 17; w = 357$ 11. $21c = 189; c = 8$ 12. $52 = y \div 6; y = 302$

Solve each equation. Then check each solution.

13. $905 = 5a$ 14. $6v = 792$ 15. $12 = y \div 12$ 16. $b \div 18 = 21$

17. $80 = 16b$ 18. $19m = 266$ 19. $d \div 1,000 = 10$ 20. $g \div 52 = 18$

21. $672 = 21f$ 22. $z \div 27 = 63$ 23. $43h = 817$ 24. $58 = j \div 71$

Write and solve an equation for each situation.

Then check the solution.

25. Lea drove 420 miles and used 20 gallons of gas. How many miles per gallon did her car get?

26. Ty spent \$15 on folders that cost \$3 each. How many folders did he buy?

27. Bob pays a \$2 toll each way when going to and from work. How much does he pay in four weeks, working five days a week?

28. Julia wants to buy copies of a book to give as presents. How many books can she buy if they are on sale for \$12 each, and she has \$100 to spend?
