

Write an Equation

Write as an equation.

1. Five times a number equals 75.

2. 18 more than a number equals 29.

3. 15.6 less than a number equals 29.7.

4. A number divided by 14 equals 26.

5. A number divided by -9 equals 15.

6. $1\frac{4}{5}$ more than a number equals $2\frac{4}{5}$.

7. 8 less than a number equals 14.

8. Four times a number equals 28.

9. A number divided by 17 equals 8.

10. Twenty less than a number equals 52.

Write each equation in words.

11. $2n - 8 = 14$

12. $n + 9 = 32$

13. $n \div 16 = 29$

14. $5n = -50$

15. $29 - n = 17$

16. $16.5 + n = 37.9$

17. $56 \div n = -7$

18. $4.5 \times n = 36.7$



Test Prep

19. Which word equation is the same as $3n + 9 = 27$?

- A Twice a number plus 9 equals 27.
- B Three times a number plus 9 equals 27.
- C Twice a number less 9 equals 27.
- D Three times a number less 9 equals 27.

20. Lena bought a pair of slacks and a blouse. She spent \$30 on the blouse. If she spent \$78 in all, write an equation to show how much she spent on the pairs of slacks.

Write an Equation

How to Write an Equation

Step 1: Identify the variable.

Step 2: Use the variable to write an equation.

Write as an equation.

1. Six times a number equals 36.

2. A number decreased by 5 equals 47.

3. $\frac{9}{10}$ more than a number equals 4.

4. A number divided by 8 equals 25.

5. Three times a number increased by $\frac{3}{5}$ equals $6\frac{3}{5}$.

6. Half a number increased by 4 equals 9.

Write each equation in words.

7. $\frac{1}{3}m = 15$

8. $95 - s = 88$

9. $\frac{a}{2} = 13$

10. $2b + 9 = 45$

11. $4(r + 2) = 32$

12. $3y - 2 = 73$

Problem Solving

Show Your Work

13. The football team practiced $2\frac{1}{2}$ hours a day for 5 days this week. Write an equation to show the total number of hours the team practiced.
