

Extra Practice 2

Lesson 6.2: Solving Equations Using Algebra

- Solve each equation. Verify the solution.
 - $4x = 32$
 - $-35 = -5x$
 - $-48 = 8x$
 - $9x = 54$
- Solve each equation. Verify the solution.
 - $-8a + 11 = 27$
 - $12b + 21 = 93$
 - $-42 = 5c - 27$
 - $6f - 15 = -45$
- Solve each equation. Verify the solution.
 - $2x - 7 = 9$
 - $-4x + 6 = -14$
 - $6x - 7 = -19$
 - $-7x - 8 = 13$
- Solve each equation. Verify the solution.
 - $2a + 3 = 4$
 - $15 = 10 + 2b$
 - $3 = 5c - 6$
 - $9f - 7 = 1$
- Write an equation you can use to answer each question.
Solve the equation. Verify the solution.
 - Five more than two times a number is 17.
What is the number?
 - Six less than five times a number is 29.
What is the number?
- The Grade 8 students had a graduation dinner. They paid a flat rate of \$125 for the use of the hall, plus \$13 for each student who attended. The total cost of the dinner was \$944.
How many students attended the dinner?
 - Write an equation you could use to solve the problem.
 - Solve the equation. Verify the solution.
- Use this information:
Ice rental: \$150 Skate rental: \$3
 - Write a problem that can be solved using an equation.
 - Write the equation, then solve the problem.