UNIT 2 • REASONING WITH LINEAR EQUATIONS AND INEQUALITIES
Lesson 1: Creating Linear Equations and Inequalities in One Variable

Lesson 2.1.1: Creating Linear Equations in One Variable
Warm-Up 2.1.1

Read the scenario and answer the questions that follow.

Andrew is practicing for a tennis tournament and needs more tennis balls. He bought 10 cans of tennis balls online and received a 25% discount. The shipping cost was $5.99. Let x represent the cost of each can.

1. Write an algebraic expression to represent the cost of the tennis balls before taxes and shipping.

2. Write an algebraic expression to represent the cost of the tennis balls with the discount, and simplify your expression.

3. Write an algebraic expression to represent the total cost of the tennis balls with the shipping cost and the discount. Simplify the expression.