NAME:

## UNIT 1•RELATIONSHIPS BETWEEN QUANTITIES

## Lesson 1: Interpreting Structure in Expressions

## Problem-Based Task 1.1.1: Identifying Parts of an Expression in Context

Tara and two friends had dinner at a Spanish tapas restaurant that charged $\$ 6$ per tapa, or appetizer. The three of them shared several tapas. The total bill included taxes of $\$ 4.32$. What are the terms, factors, and coefficients of the algebraic expression that represents the number of tapas ordered, including taxes?

## Problem-Based Task 1.1.1: Identifying Parts of an Expression in Context Coaching

a. What was the cost of each tapa without including taxes?
b. What algebraic expression can be used to represent the number of tapas ordered if each one cost $\$ 6$ ?
c. What algebraic expression can be used to represent the cost of the tapas ordered including taxes?
d. How many terms does the expression from part c include?
e. What are the factors that make up each of the terms?
f. What are the coefficients of each term?

