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?

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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?