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**Family Letter**



**Vocabulary**

**algebraic expression** A combination of variables, numbers, and at least one operation.

**Associative Property** The way in which numbers are grouped does not change the sum or product.

**Commutative Property** The order in which numbers are added or multiplied does not change the sum or product.

**Distributive Property** To multiply a sum by a number, multiply each addend by the number outside the parentheses.

**equivalent expressions** Expressions that have the same value.

**Identity Property** Property that states that the sum of any number and 0 equals the number and that the product of any number and 1 equals the number.

**numerical expression** A combination of numbers and operations.

**powers** Numbers expressed using exponents. The power 32 is read *three to the second power,* or *three* *squared.*

**properties** Statements that are true for any number.

**variable** A symbol, usually a letter, used to represent a number.

**Dear Parent or Guardian:**

Today we began Chapter 6 Expressions. In this chapter, your student will learn how to write and evaluate mathematical expressions that correspond to real-world situations. They will also learn and apply some properties of mathematics. Included in this letter are key vocabulary words and activities you can do with your student. If you have any questions or comments, feel free to contact me at school.

Sincerely,

**Course 1 · Chapter 6** Expressions

Write an expression for the total amount of money. For example, the amount of money from just the pennies is 0.01*p*, where *p* is the number of pennies.

Write algebraic expressions for amounts of objects or people. For example, if you are at a playground, you could write an expression to represent the total number of children. If *b* represents the boys and *g* represents the girls, then *b* + *g* represents the total number of children.

Find the number of each type of coin. Evaluate each expression to find the total amount of money.

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**W**

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Collect coins until you have a small pile of coins which includes pennies, nickels, dimes, and quarters.

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**Hands-On Activity**

Discuss why and when you might

use variables instead of counting.

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Go to a local park, beach, or

playground.

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**Materials:** paper and pencil

**Real-World Activity**

































**Course 1** • **Chapter 6** Expressions

NAME

**At-Home Activities**

PERIOD

DATE