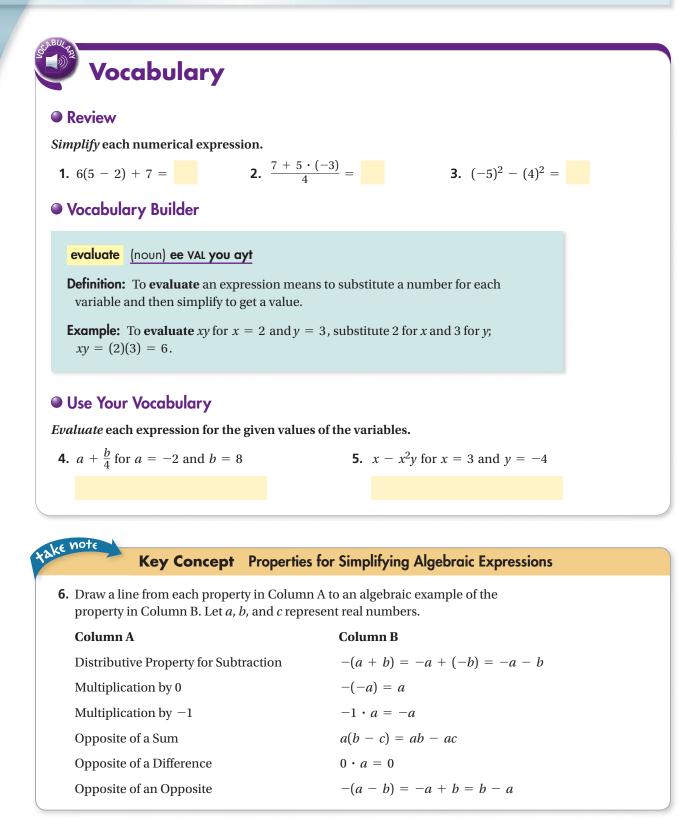
Algebraic Expressions



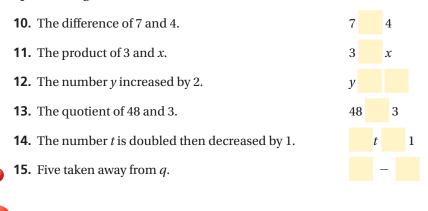
10



Got It? Which algebraic expression models the word phrase *two times the sum of a and b*?

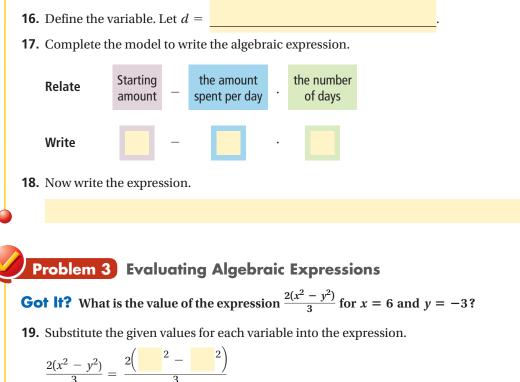
- **7.** The word "times" means you should use multiplication / addition / division.
- **8.** The word "sum" means you should use multiplication / addition / division.
- **9.** Now write the expression.

Complete each numerical or algebraic expression by writing a letter, number or operation sign in each box.



Problem 2 Modeling a Situation

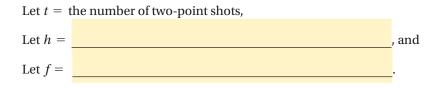
Got It? You had \$150, but you are spending \$2 each day. What algebraic expression models this situation?



Problem 4 Writing and Evaluating an Expression

Got If? In basketball, teams can score by making two-point shots, three-point shots, and one-point free throws. What algebraic expression models the total number of points that a basketball team scores in a game? If a team makes 10 two-point shots, 5 three-point shots, and 7 free throws, how many points does it score in all?

21. Define the variables.



- **22.** Complete the expression for the total number of points a team can score in one game.
 - 2 + 3 +
- **23.** Evaluate the expression for t = 10, h = 5, and f = 7.

24. The team scored points.

The expression 5ax + 6y - 7 has three *terms*: 5ax, 6y, and -7.

The *coefficient* is the numerical factor of a term: 5, 6

The *constant term* is the term with no variables: -7.

Identify the *coefficients* and the *constant term* in each expression.



Got lf? Combine like terms. What is a s $-4j^2 - 7k + 5j + j^2$?	simpler form of the expression
At the right is one student's solution.	Rose's Solution -4j ² - 7k + 5j + j ² = -3j ² - 7k + 5j = -3j ² - 2kj
27. What error did Rose make?	
28. Simplify the expression correctly.	

	algebraic expression		ustify your reasoning umerical expression?	
 0. Put an N 1	next to each <i>numerica</i>	l expression. Put a	n A next to each <i>algebi</i>	aic expression.
			$4 \cdot 1 + 10$	
Math	Success			

Rate how well you can write and evaluate algebraic expressions.