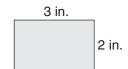
Lesson 5 Problem-Solving Practice

Algebra: Properties

- 1. MUSIC Mr. Escalante and Mrs. Turner plan to take their music classes to a musical revue. Tickets cost \$6 each.

 They need a total of 48 tickets. Use the Commutative Property to write two equivalent expressions that could be used to find the total cost.
- 2. SAVINGS Mrs. Perez was looking at her bank account statement. She noticed that her beginning balance was \$500, and she had added nothing to her account. What was the ending balance on her statement? What property did you apply?

- **3. ADDITION** Mr. Brooks was working on addition using dominos with a group of 1st graders. When picking the domino with 3 dots on one end and 5 dots on the other, some students read, "3 plus 5 equals 8" while others read it as, "5 plus 3 equals 8." What property were these children using? Explain.
- 4. AREA Taylor noticed that for the rectangle below she could multiply 2 times 3 to get its area of 6 square inches. How else could she find the area?



- **5. NUMBER CUBES** Students in Mr. Rivas' class were practicing their multiplication skills by rolling three 6-sided number cubes. Wapi rolled a 2, a 3, and a 5. He multiplied the three numbers as follows using the order of operations: $(2 \times 3) \times 5 = 30$. Write another way Wapi could have performed the multiplication without changing the order of the numbers. State the property you used.
- **6. FACTS** Bik was working on memorizing her multiplication facts. She noticed that anytime she multiplied a number by 1, she got the same number she started with. What property allows this to be true?