


Lesson 5 Problem-Solving Practice

Algebra: Properties

<p>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.</p>	<p>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?</p>
<p>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.</p>	<p>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?</p> <div data-bbox="932 1052 1151 1192"><p>3 in.</p><p>2 in.</p></div>
<p>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.</p>	<p>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?</p>