

## Problem Solving - Lessons 16 - 18

Writing Equations with Sixes	
<p><b>Write the equations and solve.</b> <b>Example:</b> The product of six and four is equal to a number. <math>n =</math> the number <math>6 \times 4 = n</math> or <math>6 \cdot 4 = n</math> <math>24 = n</math></p>	<p>Example 2: The product of six and a number is equal to twelve. Let <math>n</math> represent the number. Hint: Six times a number is written as <math>6n</math>. This means 6 times <math>n</math>. Think: "What times 6 = 12?" <math>6n = 12</math> <math>n = 2</math></p>
1. The product of six and nine is equal to a number.	6. The product of six and a number is equal to thirty-six.
2. The product of eight and six is equal to a number.	7. The product of six and a number is equal to forty-two.
3. What number is the product of six and six?	8. What number is triple the number six?
4. What number is equal to the product of five and six?	9. What number is the square of six?
5. What number is the double of the product of four and six?	10. What number is double the triple of six?