

For each problem, include a complete solution. Remember to include let and therefore statements.

<p>1. Suppose that two sides of a triangle are equal, and the third side is 10cm greater than each of the other two. The perimeter of the triangle is 100cm. Find the length of each side.</p>	<p>2. The perimeter of a rectangle is 156cm. The length is twice as long as the width. Find the length and the width.</p>
<p>3. Find four consecutive odd numbers whose sum is 240.</p>	<p>4. Wanda has seven more dimes than nickels. The total value of coins is \$6.55. How many nickels does she have?</p>
<p>5. A collection of 33 coins, consisting of nickels, dimes, and quarters, has a value of \$3.30. If there are three times as many nickels as quarters, and one-half as many dimes as nickels, how many coins of each kind are there?</p>	<p>6. Allison is 29 years older than Nicole. Fifteen years from now, Allison will be twice as old as Nicole. How old are they today?</p>