

# Problem-Solving Practice

## Problem-Solving Investigation: Solve a Simpler Problem

Solve.

<p><b>1. DESKS</b> The desks in your classroom are arranged in rows. You sit in the third seat from the right and the third seat from the left. Your seat is the fourth from the front and the third from the back. How many desks are in your classroom?</p>	<p><b>2. FENCING</b> A dog owner has 120 feet of fencing. She wants to enclose the greatest possible area for her dog. What whole number dimensions should she use?</p>
<p><b>3. BAND</b> A marching band is in a triangular formation. There is 1 band member in the first row. Each row after that contains 4 more members. There are 7 rows in all. How many band members are there?</p>	<p><b>4. TABLES</b> A restaurant has 23 square tables that fit one person per side. How many people can be seated if all 23 tables were joined together on one side?</p>
<p><b>5. CALENDAR</b> How many days are between May 20<sup>th</sup> and September 29<sup>th</sup>?</p>	<p><b>6. GARDENING</b> Mr. Sanchez has a flower bed with a length of 10 meters and a width of 5 meters. If he can only change the width, describe what he can do to increase the perimeter by 12 meters.</p>