Problem-Solving Strategy: Guess and Check

Read It Look for information.

There are 68 third-graders and fourth-graders in Mason School. There are 8 more fourth-graders than third-graders. How many fourth-graders are there?

Picture It Use a table to record your guesses.

<table>
<thead>
<tr>
<th>68 Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Graders</td>
</tr>
<tr>
<td>____</td>
</tr>
</tbody>
</table>

Solve It Guess and check to solve the problem.

1. To reach a sum of 68, try $25 + 33 = ____$.
   
   That guess was too low. Try $35 + 43 = ____$.
   
   That guess was too high. Try $30 + 38 = ____$.

   The number of students in fourth grade is _____.

Try These! Use the Guess and Check strategy to solve.

2. Brandi has 6 pets, all either cats or birds. Her pets have a total of 22 legs. How many cats and birds does Brandi have?

3. The product of two numbers is 56. The difference between the numbers is 1. What are the numbers?

Show your work.