## Problem Solving Strategies...

- Look for a pattern.
- Make a table.
- Use logical reasoning.
- Act it out.
- Guess and Check.
- Write a number sentence.
- Make a simpler problem.
- Work backwards.
- Draw a picture
- Make an organized list.

### Sample Problems:

<table>
<thead>
<tr>
<th># of people</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td># of eyes</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>10</td>
</tr>
</tbody>
</table>

If I know $3 \times 7 = 21$, then I know $6 \times 7$ is 21 doubled = 42.

- **Make an organized list.**
  - Vanilla with chocolate
  - Vanilla with rainbow
  - Vanilla with raisins

- **Strategy:**
  - $5 \times 4 = 20$
Problem Solving Strategies...
Look for a pattern.
Draw a picture

25 miles

8 miles
Act it out.
Guess and Check.
Write a number sentence.

$5 \times 4 = 20$
Use logical reasoning.
Work backwards.

? \xleftarrow{x2} +2 \xleftarrow{5}
Make an organized list.

- Vanilla with chocolate
- Vanilla with rainbow
- Vanilla with raisins
Make a table.

<table>
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</tbody>
</table>
Use a simpler problem.

If I know $3 \times 7 = 21$, then I know $6 \times 7$ is $21$ doubled = $42$. 
's Strategy.