Problem Solving Self-Questions

Self-Questions for Representing Algebra Word Problems

☐ Have I read and understood each sentence?
☐ Are there any words whose meaning I have to ask about?
☐ Have I got the whole picture, a representation, for this problem?
☐ Have I written down my representation on the worksheet?
☐ (goal; unknown(s); known(s); type of problem; equation)
☐ What should I look for in a new problem to see if it is the same kind of problem?

Self-Questions for Solving Algebra Word Problems

☐ Have I written an explanation?
☐ Have I expanded the terms?

☐ Have I written out the steps of my solution on the worksheet?
☐ (collected like terms; isolated unknown(s); solved for unknown(s); checked my answer with the goal; highlighted my answer)
☐ What should I look for in a new problem to see if it is the same kind of problem?

# Problem Solving Worksheet

<table>
<thead>
<tr>
<th>Goal:</th>
<th>Kind of problem:</th>
</tr>
</thead>
<tbody>
<tr>
<td>What I know:</td>
<td>What I don’t know:</td>
</tr>
<tr>
<td>I can write/say this problem in my own words:</td>
<td>Draw a picture:</td>
</tr>
<tr>
<td>Equation:</td>
<td>Solve the equation:</td>
</tr>
<tr>
<td>Solution:</td>
<td>Compare to goal:</td>
</tr>
</tbody>
</table>