

IDEAL Problem Solver

<p>IDENTIFY the problem to be solved. Write the problem in your own words.</p>	
<p>DEVELOP possible plans. List all plans considered.</p>	
<p>EXPLOER possible strategies. Which strategy is used and why.</p> <p>ESTIMATE and predict a reasonable solution. An estimate is different than a guess.</p>	
<p>ACT on your chosen strategy. Show all work to arrive at answer.</p>	
<p>LOOK back, reflect, and evaluate. Does this solution make sense, is it reasonable?</p>	

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<p>IDENTIFY the problem to be solved. Underline key words and numbers. Determine the meaning of unknown words. Cross out extra information. Write the problem in your own words.</p>	<p>Did you find any information you did not need? Read and represent the problem. What is the question and what are we looking for? Underline or circle key words and numbers. State the question in your own words. What are the FACTS?</p>
<p>DEVELOP possible plans. Is any more information needed? List all plans considered. Write the steps to your plan</p>	<p>Does this problem remind you of other problems that you have solved? Brainstorm possible strategies and select one What are the CLUE words and/or phrases that tell you what concepts or operations you will use to solve the problem?</p>
<p>EXPLOER possible strategies. Look at the list of strategies Which strategy is used and why.</p> <p>ESTIMATE or predict an reasonable solution. An estimate is different than a guess.</p>	<p>Did you think about something that did not work? Set parameters. The answer will be more than this. The answer will be less than this. Make a prediction or estimate. Justify why this estimate is reasonable</p>
<p>ACT on your chosen strategy. Show all work to arrive at answer. Label your work and organize according to the plan</p>	<p>What drawing, illustration, chart, table, list, or graph can you make to show that you understand?</p>
<p>LOOK back, reflect, and evaluate. Does this solution make sense, is it reasonable? Try to solve the problem using a different strategy.</p>	<p>What did you do that helped you understand the problem? Can anything that you did in this problem help you to solve other problems? How did you decide your answer was correct? Did you have an “aha” moment? Write an analysis of the solution. Reflect on the experience. What did you learn?</p>