

**Content Standard B
Eighth Grade Level
Problem-Solving**

Students understand, select, and use a variety of problem-solving strategies. They use computation and technology to investigate mathematical situations and practical problems; develop and apply a wide variety of strategies to solve a wide variety of problems; check the results; and apply learning to new situations.

State Mathematics Performance Standards 6 th -8 th	KGBSD Performance Standards	State Grade Level Expectations (GLE's)
<p>M7.3.1 Analyze and summarize a problem using the relationships between the known facts and unknown information.</p> <p>M7.3.2 Select, modify, and apply a variety of problem-solving strategies including graphing, inductive and deductive reasoning, Venn diagrams, and spreadsheets.</p> <p>M7.3.3 Evaluate, interpret, and justify solutions to problems.</p>	<p>1.1 Analyze and summarize a problem using the relationships between the known facts and unknown information</p> <p>2.1 Use a variety of problem solving techniques to solve multi-step, real world math problems. Translate word problems to mathematics</p> <p>3.1 Evaluate, interpret, and justify solutions to problems using appropriate mathematical language</p>	<p><u>Problem Solving (for local assessment)</u> The student demonstrates an ability to problem solve by</p> <p>[8] PS-1 selecting, modifying, and applying a variety of problem-solving strategies (e.g., inductive and deductive reasoning, Venn diagrams, making a simpler problem) and verifying the results (M7.3.2)</p> <p>[8] PS-2 evaluating, interpreting, and justifying solutions to problems (M7.3.3)</p>