

**Content Standard B
Fourth 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 3 rd -5 th	KGBSD Performance Standards	Grade Level Expectations (GLE's)
<p>M7.2.1 Read and summarize a problem, using mathematical terms and symbols.</p> <p>M7.2.2 Select and apply a variety of strategies including making a table, chart or list, drawing pictures, making a model, and comparing with previous experience to solve problems.</p> <p>M7.2.3 Explain and verify results of the original problem and apply what was learned to new situations.</p>	<p>1.1 Describe a problem using appropriate mathematical language when describing the steps needed to solve the problem</p> <p>2.1 Select or develop an appropriate problem solving strategy including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, make an organized list, making a table, working a simpler problem or working backwards to solve a problem</p> <p>3.1 Justify why an answer is reasonable and apply what was learned to generate new problems</p>	<p><u>Problem Solving (for local assessment)</u> The student demonstrates an ability to problem solve by</p> <p>[4] PS-1 selecting and applying appropriate strategy (e.g., lists, guess and check; extended patterns) to solve a variety of problems (M7.2.2)</p> <p>[4] PS-2 explaining and verifying results of an original problem and applying what was learned to new situations (M7.2.3)</p>