

Problem Solving Strategies Lesson Plan

GLE 0506.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution.

⌚ 0506.1.3 Explore different methods of estimation including rounding and truncating.

⌚ 0506.1.5 Solve problems in more than one way and explain why one process may be more effective than another.

SPI 0506.1.4 Identify missing information and/or too much information in contextual problems.

This is a list of ideas to begin teaching students how to solve math problems.

1. Brainstorm
2. Draw a picture or graph
3. Guess and check
4. Look for a pattern
5. Make a list
6. Make a table
7. Model
8. Read and restate the problem
9. Solve a simpler problem
10. Work backwards

Classroom teacher should model each of these strategies on several different problems to show students how to use.

