

MATH PROBLEM SOLVING RUBRIC

Name _____

	0	1	2	3	4
<p>Understanding & Strategies <i>Did you use a plan and apply an appropriate strategy?</i></p>	You didn't seem to know where to begin.	Your strategy showed that you did not understand the problem.	Your strategy showed you understood part of the problem.	Your strategy showed you understood most of the problem.	Your strategy showed you understood how to solve the entire problem.
<p>Explanation & Reasoning <i>Were you able to explain what you did and why, using words and other approaches?</i></p>	You gave no explanation for your work.	Your explanation is unorganized and hard to follow.	Your explanation is understandable but incomplete because it describes only part(s) of the problem or solution.	Your explanation is understandable and complete, but may contain some errors in math terms or symbols.	You clearly explained your process using correct mathematical terms and symbols, and you explained why you chose those steps.
<p>Computations & Procedures <i>Were you able to carry out your plan accurately and completely? Does your answer make sense?</i></p>	You did not show any computations.	Your math computations are not accurate and/or did not result in a solution that answered the problem.	Your math computations have errors that affected the answer, or you left out important parts.	Your math computations contain small error(s), but still answer most of the important parts of the problem.	Your math computations are complete and accurate, resulting in a solution that answers the problem.

Problem Solving Strategies:

- ◆ Guess, check, & revise
- ◆ Work backwards
- ◆ Draw a picture/diagram
- ◆ Look for a pattern
- ◆ Solve a simpler problem
- ◆ Use objects / Act it out
- ◆ Use an organized list
- ◆ Make a table
- ◆ Use logical reasoning
- ◆ Use a number sentence, equation, or formula