

Problem Solving Math Rubric

	Problem Solving	Calculations	Written Explanation
4: Advanced	<input type="checkbox"/> Use appropriate problem solving strategies to solve the problem. Your answer is right!	<input type="checkbox"/> Uses correct procedure to find the correct answer(s). <input type="checkbox"/> Labels answer correctly. All of your work is correct and labeled!	<input type="checkbox"/> Shows a clear understanding of the concepts involved in the problem. You explain “why” for each step. You use the key word <u>because</u> to really explain “why” for each step.
3: Proficient	<input type="checkbox"/> Uses problem-solving strategies to work toward a solution. Your answer might be wrong	<input type="checkbox"/> You give the correct answer(s). <input type="checkbox"/> The calculation or procedure (work) is incomplete. <input type="checkbox"/> Labels are incorrect or missing. You show the math but made a small mistake.	<input type="checkbox"/> Shows a satisfactory understanding of the concepts involved in the problem. You explain “what” and “how” for each step.



2: Basic	<input type="checkbox"/> Makes an attempt at using problem-solving strategies. You left out some important work.	<input type="checkbox"/> You give an incorrect answer. <input type="checkbox"/> The procedure used is incorrect or partially correct. <input type="checkbox"/> Labels are incorrect or missing. You show some math. You might have made a BIG mistake.	<input type="checkbox"/> Shows a limited understanding of the concepts involved in the problem. You only told me <u>SOME</u> thinking about how you solved the problem.
1: Below Basic	<input type="checkbox"/> No use of problem-solving strategies Your math work did not help you solve the problem.	<input type="checkbox"/> Answer is not mathematically reasonable, or it may be correct with no indication of understanding. <input type="checkbox"/> No procedure or work shown. <input type="checkbox"/> Labels are incorrect or missing. You show some math, but it does not help solve the problem.	<input type="checkbox"/> Shows no understanding of the concepts involved in the problem. Explanation is unclear. You told me <u>little</u> or <u>no</u> thinking about how you solved the problem.
0: Below Developing	<input type="checkbox"/> Blank Response	<input type="checkbox"/> Blank Response	<input type="checkbox"/> Blank Response