

RCS - Multi-Step Math Problem Solving Rubric

Criteria/Steps	5	4	3	2	1	0
-Restating problem -Identify information given <i>Do I understand what is being asked of me?</i> <i>What information do I already know?</i>	Clearly and confidently understands and is able to use a wide range of math language. Able to identify all information given.	Clearly understands and is able to use math language and can identify all information given.	Adequate understanding and limited use of math language. Can identify most information given.	Adequate understanding with help and limited use of math language with assistance. Can identify information with assistance.	Inadequate understanding and limited use of math language with extensive assistance. Can identify all information with extensive assistance.	Does not attempt to restate problem or identify information or use math language.
-Work through strategy(ies) <i>Can I think of ways to tackle the problem?</i> <i>Do I try something new when my first idea doesn't work?</i>	Uses innovative, strategies and self corrects when needed.	Uses appropriate and successful strategy(ies) and self corrects when needed.	Uses somewhat appropriate strategy(ies) and sometimes self corrects when needed.	Uses somewhat appropriate strategy(ies) with assistance and self corrects with minor prompts.	Unable to approach problem without extensive assistance and unable to identify errors on their own.	Unable to show any strategy(ies).
-Performs work accurately <i>Is my math work and solution accurate?</i>	Definite idea of work and solution throughout the problem.	Solution and work is accurate.	Minimal errors.	Minimal errors with assistance.	Many errors and needing extensive assistance.	No work/no solution.
-Explains solution -Evaluate reasonableness of solutions <i>Do I know how I got my answer and can I explain it to someone else?</i> <i>Am I confident in my solution and work?</i>	Fluently and thoroughly explains or demonstrates processes and reason for solution.	Clearly and precisely understands their own processes and reasons for solutions.	Partially explains process and reasons for solution.	Partially explains process and reasons for solution with assistance.	Unable to explain without extensive assistance.	No explanations.