

TABLE 1

To check that they were meeting their teacher’s expectations, students used this adapted rubric while completing problem-solving tasks.

Math Problem-Solving Rubric			
Your score	SHOWING MATH KNOWLEDGE (Can you do the problem correctly?)	USING PROBLEM-SOLVING STRATEGIES (How do you solve the problem?)	WRITING AN EXPLANATION (Can you explain your work?)
5	<ul style="list-style-type: none"> I figure out the correct answer. I solve the problem with no mistakes. 	<ul style="list-style-type: none"> I use all the important information from the problem. I show all the steps I used to solve the problem. I make a drawing to show how I solved the problem 	<ul style="list-style-type: none"> I write what I did and why I did it. I explain each step of my work. I use math words and strategy names. I write the answer in a complete sentence at the end of my explanation.
4	<ul style="list-style-type: none"> I figure out the correct answer. I solve the problem, but I make a few small mistakes. 	<ul style="list-style-type: none"> I use most of the important information from the problem. I show most of the steps I used to solve the problem. 	<ul style="list-style-type: none"> I write what I did and a little about why I did it. I explain most of my work.
3	<ul style="list-style-type: none"> I figure out part of the answer. I try to solve the problem, but I make some big mistakes. 	<ul style="list-style-type: none"> I use some of the important information from the problem. I show some of the steps I used to solve the problem. 	<ul style="list-style-type: none"> I write a little about what I did or why I did it, but not both. I explain some of my work.
2	<ul style="list-style-type: none"> I try to solve the problem, but I don’t understand it. 	<ul style="list-style-type: none"> I use very little important information from the problem. I show almost none of the steps I used to solve the problem. 	<ul style="list-style-type: none"> I write something that doesn’t make sense. I write an unclear answer.
1	<ul style="list-style-type: none"> I don’t try to solve the problem. 	<ul style="list-style-type: none"> I show no steps that I used to solve the problem. 	<ul style="list-style-type: none"> I don’t write anything to explain how I solved the problem.