

Categories	Novice	Apprentice	Practitioner	Expert
<b>Understanding</b>	I did not understand the problem.	I understood parts of the problem. I got started, but I couldn't finish.	I got it. I understood the problem and have an appropriate solution. All parts of the problem are addressed.	I got it!! I did it in new ways and showed you how it worked. I can tell you what math concepts are used.
<b>Strategies, Reasoning, Procedures</b>	I couldn't get started. I don't know how to begin.	I am stuck. I have part of the solution, but now I don't know what to do. I'm not sure my answer is right. I could use some help.	I have a correct solution. I used a plan to solve the problem.	My solution is effective and inventive. I used big math ideas to solve the problem. I addressed the important details. I showed you some other ways I can solve this problem. I checked to make sure my answer was right.
<b>Communication</b>	I did not explain how I solved the problem. I didn't use pictures, tables or graphs to show you how I solved the problem.	I explained some of what I did. I tried to use pictures, tables, graphs and numbers to explain how I did the problem.	I clearly explained how I solved the problem. I used math language and pictures, tables, graphs and numbers to explain how I did the problem.	I clearly detailed how I solved the problem. I included all the steps so you don't have to guess what I did. I used words, numbers, pictures, graphs and/or models.