

My Math Process Thinking Rubric

	Problem Solving	Communication	Reasoning	Connections	Representations	Using Tools Strategically
Novice Makes little effort. No or little understanding.	I did not understand the problem.	I did not use math notation correctly. I did not remember to use my math vocabulary.	My math thinking is a little confused.	I did not notice any patterns or connections in the problem.	I did not use any representation to help me understand and solve the problem.	I did not use tools strategically. I used my calculator for everything.
Apprentice Makes a good try. Some pieces are still missing.	I understood part of the problem. My strategy was unclear.	I correctly used some notation and/or some math vocabulary.	Some of my math thinking is well thought out and correct.	I noticed something but it didn't relate to the problem.	I tried to use representations to help me solve the problem but it had errors in it.	I sometimes used tools strategically but occasionally overused them.
Knowledgeable Good understanding. Meets the standard. Well done!	I understood the problem and my strategy works. My answer is correct.	I correctly used math notation and math vocabulary throughout my work.	All of my math thinking is well thought out and correct.	I noticed something related to the problem. I could create my own problem of this type.	I used my representation to help me solve the problem. It was labeled and was correct.	I used my tools strategically throughout the problem solving process.
Expert Outstanding work! Expresses a deep understanding and goes beyond the standard.	I understood the problem and followed my plan with precision. I checked that my answer made sense.	I used specific math vocabulary and notation in the correct context throughout my work.	I explained my math thinking throughout the process. My thinking was correct.	I noticed patterns and connections in the problem. I even created my own problem of this type.	I used my representation to solve the problem correctly. It was labeled and I used it to explain my work.	I used tools only when it improved the problem solving process.