

Mathematics Problem-Solving Checklist

Before submitting your solution to a problem, investigation, performance task, or other large task, use this checklist to be sure that you have the qualities of a good solution.

I have done the following:	Not Much	Somewhat	Completely
• Carefully read the problem to be sure that I understand what is required.			
• Fully explored the problem before attempting a solution (tried out different cases, related it to similar problems, looked at how to test out a simplified version of the problem, etc.)			
• Chosen appropriate models that considered all parts of the problem			
• Checked formulas, graphs, charts, procedures to be sure that I have used them correctly.			
• Checked and verified my computations.			
• Completely supported my conclusion.			
• Related my conclusion back to the original problem and considered whether I could extend the result or make a generalization (asked myself "what if" questions).			
• Explained my solution using a combination of written and mathematical forms.			
• Used proper mathematical language, symbols, and conventions.			
• Re-read my solution to be sure that it will be easily understood.			

When you are confident that your work satisfies the above criteria, then it is ready for submission.