

Rubric: Summer Assignment

Criteria	4	3	2	1	Self - Assessment	Teacher Score
Problem Solving	Use more than one strategy that was efficient to solve the problem. Analyzed, reflected, and made adjustments to the work on the way. Note: Two correct and precise ways of solving the problem.	Uses one correct strategy to solve the problem. Work is correct and precise.	Correct strategy is chosen, but either arrived to an incorrect answer, or did not solve the problem completely.	Chose incorrect strategy that did not lead to the correct solution.		
Reasoning and Proof	Provide evidence to prove mathematical process. Justifies decision-making. Generalizes the concept and extends mathematical thinking by proving two strategies. Uses precise mathematical language to explain and justify.	Arguments are constructed with adequate mathematical basis. Provides correct reasoning, supported by mathematical ideas. Uses at least two precise math vocabulary words to explain and justify.	Arguments are made with some correct reasoning. Uses at least one precise math vocabulary word in the reasoning.	No reasoning is provided, or incorrect reasoning is provided.		
Representations	Two accurate models and correct expressions/equations are included. Models are clearly and precisely labeled.	One accurate model and equations are included. Model is clearly and precisely labeled.	An attempt is made to create a model, but the model may have some mistakes, or is not labeled correctly.	Either no attempt has been made to create the model, or the model is completely incorrect.		
Content CCSS 6.EE.3 6.RP.2	Correct use of ratios, rates and expressions to complete the task with all supporting calculations. Work is organized and each step is correctly numbered.	Correct use of ratios, rates and expressions to complete the task with all supporting calculations.	Some correct use of ratios, rates and expressions to complete the task.	Student did not correctly apply ratios, rates and expressions to complete the task.		

Self-Assessment Checklist for Problem Solving Strategies

- Does my representation accurately display the problem?
- Did I include all of the labels, operation symbols, titles, and/or keys for the type of representation I chose?
- Did I connect my representations, and/or models to the equations and expressions?
- Did I clearly organize my steps?
- Did I explain all the steps that I took to solve the problem?
- Did I explain why I took those steps?
- Did I use precise math vocabulary to explain my thinking?

Reflection

Please include a self-reflection discussing the evidence you have to support your answers to the **Self-Assessment Checklist for Problem Solving Strategies**
