

The Pre-Algebra Problem of the Week Scoring Rubric for Students

For each category, choose the level that *best describes* your work

	Novice	Apprentice	Practitioner	Expert
Problem Solving:				
Interpretation	I do not understand much of the problem.	I understand some of the math in the problem. I attempted part of the problem.	I understand all of the math in the problem. I attempted all parts of the main problem.	I understand the Extra question and solved it correctly. I am at least a Practitioner in Strategy.
Strategy	I didn't know how to set up the problem. My strategy didn't work.	I tried a strategy that makes sense, but it isn't enough to solve the whole problem. My strategy relied on luck.	I picked a sound strategy. I solved the problem through skill, not luck.	I used two separate strategies <i>or</i> I used a good strategy for the Extra <i>or</i> I used an unusual or sophisticated strategy.
Accuracy	My work contains many errors.	Most of my work is accurate. I may have a couple of errors. I didn't use correct units.	My work is accurate and contains no arithmetic mistakes. I used appropriate units.	[not possible for most problems]
Communication:				
Completeness	I wrote very little to explain how I solved the problem.	I included an explanation but none of my calculations. <i>or</i> I included calculations without any explanation.	I explained almost all of the steps taken to solve taken to solve the problem. I explained why I used my equations, expressions, and calculations.	I included some extra ideas or explanation about some of the concepts in the problem.
Clarity	My explanation is very difficult to read and follow.	My explanation isn't entirely unclear, but another student wouldn't be able to follow it easily. My explanation is long and it's written in a single paragraph. My spelling and typing errors make my explanation hard to understand.	I explained all of the steps in such a way that another student would understand. I made an effort to check my grammar, formatting, spelling, and typing.	My answer is very readable and it looks good! My organization makes my ideas especially clear. Optional: I included a diagram to help a reader understand.
Reflection <i>(see list)</i>	I did nothing reflective.	I did one reflective thing. I showed how I checked my own answer. I explained why I think my answer is reasonable. I summarized the process I used.	I did two reflective things. I connected the problem to another problem or experience. I explained where I'm stuck. I suggested a hint that I would give to another student.	I did three or more reflective things or I did an exceptional job with two of them. I explained why I think the problem is easy or difficult. I revised and improved my work.