

The Math Fundamentals Problem of the Week Scoring Rubric for Students

For each category, find 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 completed part of the problem.	I understand all of the math in the problem. I completed all parts of the main problem.	I understand the Extra(s) and I believe I solved all correctly. I am at least a Practitioner in Strategy.
Strategy	I do not know how to set up the problem. <i>or</i> My work does not show my strategy. <i>or</i> My strategy didn't work.	My strategy made sense, but it wasn't enough to solve the whole problem. <i>or</i> I didn't apply my strategy systematically.	I picked a good strategy. My approach was systematic. I solved the problem through skill, not luck.	I used two different strategies. I used a good strategy for the Extra(s). I used an unusual strategy. I made good use of technology.
Accuracy	I think I made many errors.	Some of my work is accurate. I may have one or two errors.	My work is accurate and contains no arithmetic mistakes. I've used appropriate units.	[not possible for most problems]
Communication				
Completeness	I wrote very little to explain how I solved the problem.	My explanation does not include calculations. <i>or</i> I did not explain why I did my calculations.	I explained most of my steps, with enough detail so that another student could follow it. I explained why I used my calculations, equations or expressions.	I included some special ideas and/or patterns I discovered about the problem.
Clarity	My explanation is very difficult to read.	My explanation isn't totally unreadable, but another student wouldn't be able to follow it easily. My explanation includes spelling or typing errors which make it hard to understand.	Another student would be able to read and understand my solution. I used correct math language. I tried to use good grammar, spelling, organization, and typing.	My organization makes my ideas especially clear. My answer is very readable and it looks good! Optional: I included a diagram to help a reader understand.
Reflection <i>(See list)</i>	I did nothing reflective. The items to the right are all considered reflective. They can be in your solution <i>or</i> the comment you leave after viewing our answer.	I did one reflective thing. I show how I checked my own answer using another method. I've explained why my answer is reasonable. I've summarized my process.	I did two reflective things. I've connected the problem to another problem or experience. I've explained where I'm stuck. I've suggested a hint I would give to another solver.	I did three or more reflective things <i>or</i> I did a really good job with two of them. I've explained why I think the problem is easy or difficult. <i>I've revised and improved my work.</i>