

The Math Fundamentals 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 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. or My work does not show my strategy. or My strategy didn't work.	My strategy made sense, but it wasn't enough to solve the whole problem. or 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.	[not possible for most problems]
Communication				
Completeness	I wrote very little to explain how I solved the problem.	My explanation does not include calculations. or 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 and follow.	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, including correct units. 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 (See list)	I did nothing reflective.	I did one reflective thing.	I did two reflective things.	I did three or more reflective things or I did a really good job with two of them.
	The items to the right are all considered reflective. They can be in your solution or the comment you leave after viewing our answer.	<ul style="list-style-type: none"> I've revised and improved my work. I show how I checked my own answer using another method. I've explained why my answer is reasonable. I've stated assumptions I made. 	<ul style="list-style-type: none"> 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've described an "Aha!" moment I had. 	<ul style="list-style-type: none"> I've explained why I think the problem is easy or difficult. I've described an error I made and how I found and corrected it. I told what I learned from solving the problem. I've summarized my process.