Problem of the Week Scoring Rubric for *Congruent Rectangles*

For each category, choose the level that **best describes** the student's work

	Novice	Apprentice	Practitioner	Expert
Problem Solving				
Interpretation	Understands one or none of the ideas in the Practitioner column	understands only two or three of the ideas listed under Practitioner (for example, they ignore the existence of the small rectangles, or think that the area is 756 ² units)	understands what "756 units ² " represents demonstrates understanding of "congruent" and area and perimeter of a rectangle understands that the small rectangles must be considered attempts to find the perimeter of the large rectangle	as there is no Extra question for this problem, students will not be able to achieve this category
Strategy	has no ideas that will lead them toward a successful solution	relies on luck to get the right answer, or otherwise chooses a weak strategy	uses a strategy that relies on skill, not luck "guess and check" is fine <i>as long as it did not rely on</i> <i>luck!</i> — enough information must be included to show that the choices were well-reasoned	uses two different strategies (if they do this <i>and</i> compare the two methods, that's consider "reflection")
Accuracy	has made many errors	has made several mistakes or misstatements uses incorrect units	makes few mistakes of consequence and uses largely correct vocabulary uses appropriate units whenever units are used, such as with the final answer	[generally not possible – can't be more accurate than Practitioner]
Communication				
Completeness	has written almost nothing that tells you how they found their answer	explanation without work or work without explanation leaves out enough details that another (somewhat lost) student couldn't follow the explanation doesn't define any variables used	defines any variables used explains all or almost all of the steps taken states any formulas used and explains where most of those formulas come from explains how the dimensions of the small rectangle were	adds in useful extensions and further explanation of some of the ideas involved (the additions are helpful, not just "I'll say more to get more credit")
Clarity	explanation is very difficult to read and follow	another student might have trouble following the explanation long and written in one paragraph lots of spelling errors/typos	the steps that <i>are</i> explained are explained in such a way that another student would understand (needn't be complete to be clear) makes an effort to check formatting, spelling, and typing (a few errors are okay)	formats things exceptionally clearly answer is very readable and appealing
Reflection	The items in the columns to the right are considered reflective, and could be in the solution or their comment:	checks their answer (not the same as viewing our "answer check") reflects on the reasonableness of their answer	connects the problem to prior knowledge or experience explains where they're stuck summarizes the process they used	comments on and explains the ease or difficulty of the problem revising their answer and improving anything counts as reflection
	does nothing reliective		luces two renective things	great job with two