Learning-Focused Strategies
Lesson Planning Form

____X____ ACTIVATING LESSON

_____ EXTENDING/REFINING LESSON

Teacher Name: _____ Class: _____

Unit: _____ Date of lesson: _____

ESSENTIAL QUESTION: (with key questions if necessary)	This is the main question students will be asked: • What fraction is Mini-Me of Dr. Evil?
Learning Goal:	The students will be able to determine the correct scale factor used to create Mini Me. Common Core State Standards Content Standard • 5.NF.5 - Interpret multiplication as scaling (resizing) • 5.NF.5a - Comparing the size of a product to the size of one factor on the basis of the size of the other factor, without performing the indicated multiplication. • 5.NF.5b - Explaining why multiplying a given number by a fraction greater than 1 results in a product greater than the given number (recognizing multiplication by whole numbers greater than 1 as a familiar case); explaining why multiplying a given number by a fraction less than 1 results in a product smaller than the given number; and relating the principle of fraction equivalence $a/b = (n \times a)/(n \times b)$ to the effect of multiplying a/b by 1.
ACTIVATING THINKING STRATEGIES: (Ex: KWL, word maps, Wordsplash, etc...)	Video from the movie *Austin Powers* introducing the character Mini Me as a scaled fraction of Dr, Evil.
ACCELERATION STRATEGIES: (focus on content maps and key vocabulary)	Preview vocabulary terms: • Scale
TEACHING STRATEGIES: (graphic organizers)	The Problem Solving Framework will be used to help students reflect on: • "What problem are you trying to figure out?" • "What do you already know from the problem?" • "What do you need to know to solve the problem?" • "What is your conclusion?"
PROMPTS: (distributed guided practice and distributed summarizing)	These questions will be useful in guiding students and helping them reflect • What is a guess that is too low? • What is a guess that is too high? • What is your best guess? • What is the closest unit fraction to your answer? • Why is your answer different from what they said in the movie?
SUMMARIZING STRATEGIES: (ex: Ticket out the Door, 3-2-1, etc. Answer the EQ)	• Think-Pair-Share • Summarizing questions will be distributed and asked throughout the lesson
EXTENDING/ REFINING ACTIVITY: (thinking skills and/or writing prompts)	These are the extension questions students will be asked (as needed): • How tall would Mini-Me have to be to be one eighth of Dr. Evil's size? • How tall would Dr. Evil have to be if Mini-Me really was one eighth his size?
ASSIGNMENT AND/OR ASSESSMENT	Students will use the "What is your conclusion?" section of the Problem Solving Framework to explain their conclusion and justify their reasoning.
RE-TEACHING FOCUS AND STRATEGY (if necessary)	Reteach as needed based on "What is your conclusion?"