

Studying Math Learning Lesson Planning Guide

Focus on a problem that you will use in the coming month in your classroom. Reflect on that problem through the lens of analyzing good problems.

- 1) What is the mathematics of the problem? What do you want students to know/do as a result of using this problem?
- 2) What are the concepts the problem helps to build or connect (what are the big ideas of the unit in which the problem lies)?
- 3) What level of access does the problem provide for struggling students? What will they be able to gain from the problem?
- 4) What challenges does the problem offer for advanced students? What extended learning opportunities might they build from the problem?
- 5) What scaffolding may need to occur so that students reach your mathematical goals?

Poster Formatting:

Unit Topic	Grade Level
Unit Goals for Student Learning	Goals for this problem
Statement of Problem:	
Strategies you will use to support student work	
Where the problem fits into the unit (what's before and after)	How you may need to scaffold the problem
Planning for "ifs" related to your student goals – what if students aren't producing the kind of work I want to see, what if students show common misconceptions...	