



Conceptual Understanding Planning for Ratio Template. This document is used to plan lessons that incorporate ratio techniques to put the heavy cognitive lifting on students, which is a key component of conceptual understanding.

Example Problem	
1. What background knowledge do students have that will help them access this problem?	2. What is the key information in this problem?
3. What opening question will you ask to assess students' understanding of the context of the problem? What is the desired answer?	4. How will you ask the opening question? Script your question and ratio techniques.
5. What is the heavy lifting that you want students to do? What question will you ask? What answer are you looking for?	6. What question will you ask that gets students to focus on the information? Script your question and ratio techniques.
7. What is the next piece of heavy lifting that you want students to do? What question will you ask?	8. What question will you ask that gets students to focus on the information? Script your question

What answer are you looking for?	and ratio techniques.
9. What is the next piece of information you want students to access? What answer are you looking for?	10. What question will you ask that gets students to focus on the information? Script your question and ratio techniques.
11. Continue scripting heavy lifting, questions, and ratio techniques until the problem is complete.	