



7.4 Understanding Student Thinking

Instructions: Observe a student solving a problem/task. Ask probing or clarifying questions to determine student thinking.

Description of task observed	
Observations of and explanations by student	
1. What <u>prior knowledge</u> did the student have to have in order to solve this problem?	2. What <u>strategies</u> did the student use to solve the problem? Did the student try different approaches?
3. In what ways did the <u>questions</u> you asked extend the student's thinking?	4. What was <u>learned</u> from the task itself and/or the questions you posed?

Tool previously published by Bay-Williams, J., McGatha, M., Kobett, B., and Wray, J. (2014). *Mathematics Coaching: Resources and Tools for Coaches and Leaders, K-12*. New York, NY: Pearson Education, Inc.