

## 74 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	2. What <u>strategies</u> did the student use to solve the
have in order to solve this problem?	problem? Did the student try different approaches?
Figure in order to contacting problem.	problem: Dia the stations of a more approaches.
3. In what ways did the <u>questions</u> you asked extend	4. What was <u>learned</u> from the task itself and/or the
the student's thinking?	questions you posed?
the student's thinking:	questions you poseu:

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.

Retrieved from the companion website for Everything You Need for Mathematics Coaching: Tools, Plans, and A Process That Works: Grades K-12 by Maggie B. McGatha and Jennifer M. Bay-Williams with Beth McCord Kobett and Jonathan A. Wray. Thousand Oaks, CA: Corwin, www.corwin.com. Copyright © 2018 by Corwin. All rights reserved. Reproduction authorized only for the local school site or nonprofit organization that has purchased this book.