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Reflections on a video study.

Clarke, Barbara et al., International perspectives on learning and teaching mathematics. NCM/Göteborg University, Göteborg (ISBN 91-85143-01-4). 475-488 (2004).

The goal of this chapter is to review some reflections on a problem situation from a Japanese 8th grade lesson included in the TIMSS 1999 Video Study. After presenting some excerpts from the lesson we discuss some questions for teacher development from the Lesson Lab course Explorations of Algebra Teaching: - Why did the teacher in this lesson have the students present their strategies in the order that he did? - Wouldn't it be a more effective approach to algebra just to present the final equations and inequalities statements and to forget the lower level attempts made by some students? As a theoretical basis, we review the roots of our genesis viewpoint. Next we present some reasoning behind the use of videos for professional development work helping teachers to become reflective practitioners. (Authors' abstract)

Classification: D43