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On observation of problem solving in a Swedish and a Hungarian 5th year class.

Fritzlar, Torsten (ed.) et al., Problem solving in mathematics education. Proceedings of the 2015 joint 17th conference of ProMath and the 2nd GDM working group on problem solving, University of Halle-Wittenberg, Germany, September 3–5, 2015. Münster: WTM-Verlag (ISBN 978-3-95987-012-2/pbk; 978-3-95987-013-9/ebook). *Ars Inveniendi et Dejudicandi* 6, 123-136 (2016).

Summary: The method of teaching problem solving greatly depends on the teaching methodologies and traditions used in the given countries. In our research, we compare a math lesson between a Swedish and a Hungarian 5th year class. In both classes, the problem to be solved was the same, and it was left to the teachers how to conduct the lessons. In our analysis we focus on the teachers' method of processing the problem during the lesson, but we also look at the teacher's methodology as well as the presentation of the students' trains of thought and mathematical attitude.

Classification: D50

Keywords: problem solving