

**ZMATH 1998f.03882**

**Philippou, George N.; Christou, Constantinos**

**A study of teacher's conceptions about mathematics.**

Pehkonen, Erkki, 21. conference of the International Group for the Psychology of Mathematics Education. ,. 9-16 (1997).

This study focuses on teachers' conceptions about mathematics and its pedagogy in relation to students' achievement. Three groups of countries were formed according to students performance in mathematics and responses of teachers on 20 items were analyzed; those items referred to conceptions about the nature of mathematics, mathematics teaching, and mathematics learning. Substantial differences were found in teachers' conceptions among groups of countries, indicating culture bias and a relation to student achievement.

*Classification:* C29