

Poster 884: Niclas Bradtke, Rita Borrromeo Ferri

- ***Paper Title:*** The mathematical competence of vocational teachers with a focus on economics - an empirical comparison between prospective teachers with and without mathematics as a subject

- ***Central Message of the Paper:***

Vocational schoolteachers with a focus on economics without mathematics as a subject do not receive any mathematical training in their studies, although they use, among other things, the percentage calculation in business lessons.

In a pilot study, an instrument was validated to record whether the mathematical model of compound interest is recognised and successfully applied in different situations. The results showed that even student teachers with mathematics as a subject have difficulties with it.

Points for consideration in future research based on *AME CERME12 group discussion*

- What differences do vocational schoolteachers with a focus of economics have in their mental models of percentage calculation? And how can this be ascertained?