

## ARTICLES IN THIS ISSUE

Mathematical Knowledge for Teaching Algebraic Routines: A Case Study of Solving Quadratic Equations

*Xuhui Li*

The Development of Chinese Students' Understanding of the Concept of Fractions from Fifth to Eighth Grade

*Chunhui Liu, Ziqiang Xin, & Xia Li*

Error Patterns in Addition and Subtraction of Fractions among Form Two Students

*Noraini Idris & Latha Maheswari Narayanan*

What We Learned from a Comparison of Mathematics Assessment in Australian and Chinese Primary Schools

*Dacheng Zhao*

Comparative Study of the New and Experienced Teachers' Differences in the General Teaching of Mathematics

*Haixia Si, Lijun Ye, & Fangli Zhou*

An Investigation on Chinese Teachers' Realistic Problem Solving Abilities and Beliefs

*Limin Chen, Wim Van Dooren, & Lieven Verschaffel*

Probing Pre-service Teachers' Mathematics Pedagogical Content Knowledge: A Lesson from the Case of the Monotonicity of Function

*Miao Li & Ping Yu*

A Study on the Development of Students' Epistemological Beliefs about Mathematics

*Yan Zhou, Dingliang Tan, & Yunzhi Zhu*