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Teppo, Anne R.

Using algebraic processes to promote concept development.

Nakahara, Tadao et al., 24th Conference of the International Group for the Psychology of Mathematics Education (PME 24). Vol. 4. ,. 201-208 (2000).

This paper presents a vignette of an elementary preservice teachers' classroom discussion focused on finding patterns among lists of numbers having exactly two, three, four, or five divisors. Analysis of the vignette investigates how the algebraic processes of generalizing and abstracting are used to develop a multiplicative structure for whole numbers, and how different forms of representation are used to focus on pattern identification and articulation. (orig.)

Classification: F69