Influence of early repeating patterning ability on school mathematics learning.

Summary: Recent studies in early mathematics education highlight the importance of patterning abilities and their influence on mathematics learning and the development of mathematical reasoning in young children. This paper focuses on young children’s repeating patterning abilities and reports results from an ongoing four-year longitudinal study that investigates the development of early numeracy understanding of 408 children from one year prior to school until the end of grade 2. The analyses in this paper reveal a significant influence of young children’s repeating patterning abilities one year prior to school on their mathematical competencies at the end of grade one.

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