

ZMATH 2003b.01018

Schliemann, Analucia D.; Carraher, David W.

The Evolution of Mathematical Reasoning: Everyday versus Idealized Understandings.

Dev. Rev. 22, No. 2, 242-66 (2002).

Considers how students' mathematical thinking evolves as a result of their actions and everyday experiences and from increasing reliance on introduced mathematical principles and representations. Exemplifies how 8- to 10-year-olds' personal representations come to face with representations involving algebraic concepts. Explores implications for theories of instruction and long-term development of mathematical reasoning. (ERIC)

Classification: C32

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