



Young Mathematicians at Work: v. 1: Constructing Number Sense, Addition and Subtraction

By Catherine Twomey Fosnot, Maarten Dolk

Heinemann USA. Paperback. Book Condition: new. BRAND NEW, Young Mathematicians at Work: v. 1: Constructing Number Sense, Addition and Subtraction, Catherine Twomey Fosnot, Maarten Dolk, In our efforts to reform mathematics education, we've learned a tremendous amount about young students' strategies and the ways they construct knowledge, without fully understanding how to support such development over time. The Dutch do. So, funded by the NSF and Exxon, Mathematics in the City was begun, a collaborative inservice project that pooled the best thinking from both countries. In Young Mathematicians at Work, Catherine Fosnot and Maarten Dolk reveal what they learned after several years of intensive study in numerous urban classrooms. The first in a three-volume set, Young Mathematicians at Work focuses on young children between the ages of four and eight as they construct a deep understanding of number and the operations of addition and subtraction. Rather than offer unrelated activities, Fosnot and Dolk provide a concerted, unified description of development, with a focus on big ideas, progressive strategies, and emerging models. Drawing from the work of the Dutch mathematician Hans Freudenthal, they define mathematics as "mathematizing" - the activity of structuring, modeling, and interpreting one's "lived world" mathematically. And they...



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