

CD-ROM developed by Maarten Dolk and Catherine Twomey Fosnot Facilitators Guide developed by Antonia Cameron, Sherrin B. Hersch, and Catherine Twomey Fosnot In their series of professional books for teachers, *Young Mathematicians at Work*, Catherine Twomey Fosnot and Maarten Dolk described *Mathematics in the City*, an innovative project where teachers helped young children construct a deep understanding of number and operation in a math-workshop environment. Now they and two colleagues from the project have developed a flexible, video-based, digital context for inquiry into the teaching and learning of mathematics that will change how professional development is conducted. Designed for you, the workshop leader or college instructor, the *Exploring Soda Machines Resource Package* enables your in- or preservice teachers to not only watch but interact with video that depicts classroom teachers as they listen to, question, and interpret students thinking; develop connections between mathematical ideas and strategies; and, ultimately, develop vibrant mathematical communities in their classrooms. The Resource Package includes three valuable components: A completely interactive CD-ROM, where your workshop participants can explore-independently or under your guidance-videos of instruction and assessment; sample childrens work over time to analyze development; take and save notes on what they see; capture specific frames or footage; and then email their captured video clips and notes to other members of your professional development workshop. The context of the classroom will be at the fingertips of your participants for exploration. A Professional Development Overview Manual that provides general advice on how you can use the CD-ROM for staff development. A Facilitators Guide whose field-tested content is specific to the CD-ROM and includes helpful suggestions for using video clips and student examples on the CD to design rich professional development experiences; sample dialogue to help you anticipate what your participants might say; tips for facilitating discussions among teachers; and descriptions of the mathematical ideas being explored. In *Exploring Soda Machines*, your workshop participants will observe fourth graders as they construct some of the big ideas related to division, including the connection between partitive and quotative division and the inverse relationship between multiplication and division. By studying the use of carefully crafted problems designed both to generate a range of solution strategies and to highlight the power of arrays and other models for division, teachers will discover what a valuable tool real-life contexts are for building a solid foundation in division.

*Petri Nets: An Introduction (Monographs in Theoretical Computer Science. An EATCS Series)*, *Dolls in Miniature: A Portrayal of Society Through Tiny Dolls, Their Fashions, and Environments 1700-1930*, *Elements of Plane and Spherical Trigonometry: With Its Applications to the Principles of Navigation and Nautical Astronomy; with Logarithmic and Trigonometrical Tables*, *Wizards, Payback With Ya Life*, *The First Immortal: Dark Angel*, *Sketches of Central Asia: Additional Chapters On My Travels, Adventures, and On the Ethnology of Central Asia*, *Debates in the Convention for the Revision and Amendment of the Constitution of the State of Louisiana. Assembled at Liberty Hall, New Orleans, April, Six Thinking Hats : An Essential Approach to Business Management from the Creator of Lat. Thinking,*

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