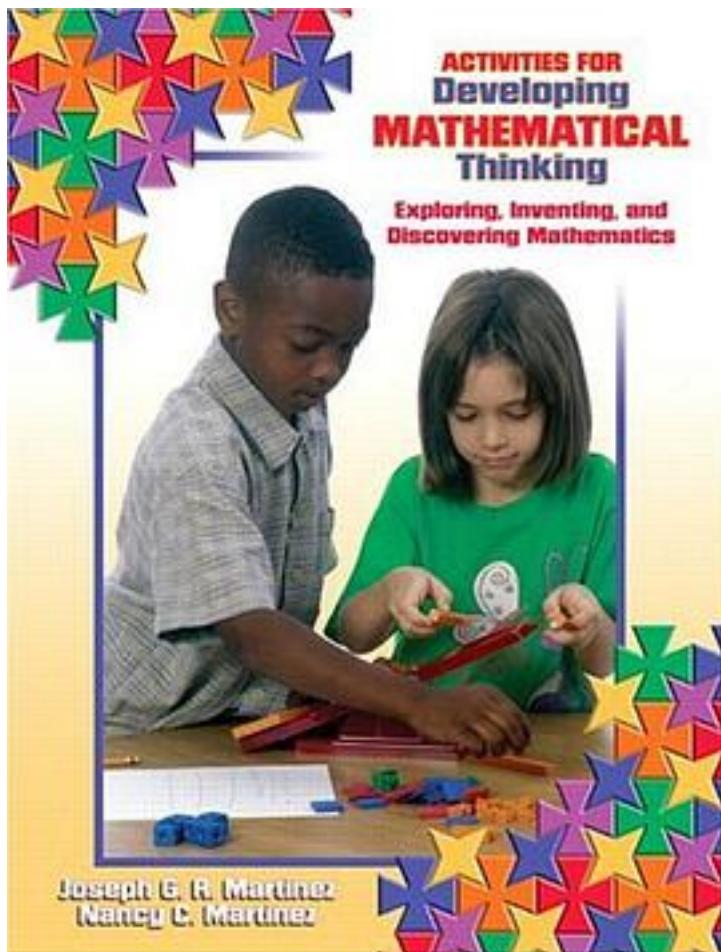


Activities for Mathematical Thinking



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Filled with over 100 inquiry-based activities, Activities for Mathematical Thinking addresses the changing ways in which students learn and teachers teach mathematics. The emphasis is on hands-on learning and an inductive, rather than deductive,

approach to mathematics. Organized in 11 sections, activities range from understanding number systems to developing geometric thinking to exploring part-whole relationships. While diverse in content and complexity, all activities emphasize inquiry and process and include recommended grade levels as well as NCTM process and content standards. Worksheets and handouts are provided in the back of the workbook to help support many of the activities. FEATURES:

- *Explore-Invent-Discover strategies-Structures and guides mathematics investigations.
- *Engaging student questions-Set a context and help focus the inquiry process.
- *Exploration of hands-on methods and manipulatives-Lets students model and visualize mathematical situations and experience them directly.
- *Printable and customizable forms, manipulatives, and worksheets outlined in activities are easily accessible on the Activity CD-ROM in the back of every copy of the text.
- *Problem-solving strategies. *Each activity includes recommended grade levels and NCTM process and content standards. *Descriptions of what teachers and students will do to prompt the learning process-Followed by discussions of approaches students might take toward understanding or solving problems.

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目录:

[Activities for Mathematical Thinking](#) [下载链接1](#)

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评论

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书评

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