

Amanda Bean's Amazing Dream A Mathematical Story

Amanda Bean's Amazing Dream
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Math, Manipulatives, & Magic Wands
Lessons for Algebraic Thinking
Mathematics in the K-8 Classroom and Library
Navigating Through Number and Operations in Grades 3-5
Succeeding at Teaching Mathematics, K-6
Exploring Mathematics Through Literature
Amanda Bean's Amazing Dream
Mathematics for Elementary Teachers
Instructor
Teaching Children Mathematics
The Classroom Researcher
Now I Get it
My Kids Can How to Get Your Child to Love Reading
A to Zoo
Learning Mathematics in Elementary and Middle Schools
Good Housekeeping
Mathematics Content for Elementary and Middle School Teachers
Cindy Neuschwander
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Karen Simmons
Maryann Wickett
Sueanne McKinney
Natalie N. Duncan
Julie Sliva Spitzer
Diane Thiessen
Marilyn Burns
Gary L. Musser
Suzanne G. Houff
Susan O'Connell
Judy Storeygard
Esmé Raji Codell
Carolyn W. Lima
W. George Cathcart
Barbara Ridener

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amanda loves to count everything but not until she has an amazing dream does she finally realize that being able to multiply will help her count things faster

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this book shows you how to teach national math standards with literature based make and take projects suggestions for illustrating math concepts with children s literature are included for each activity

lessons for k 8 teachers on making algebra an integral part of their mathematics instruction

two experts on education offer a rich and diverse selection of children s literature and teaching strategies for the k 8 mathematics classroom taking advantage of quality motivating literature during mathematics instruction pays off especially when teachers and media specialists work together to convey crucial mathematical concepts and standards mathematics in the k 8 classroom and library shows you how it s done after an introduction to the national council of teachers of mathematics s nctm principles and process standards each remaining chapter is devoted to an nctm content standard the book offers engaging research based strategies and booklists of specific titles that together can be used to increase student achievement the strategies suggested here provide a hands on student centered focus that allows students to make connections with prior learning personal experiences and good books both the recommended children s books and the activities will appeal even to reluctant readers and students for whom mathematics might be a challenge each chapter includes an extensive annotated list of texts dozens of hands on activities handouts and writing prompts

in grades 3 5 students extend their understanding of place value larger whole numbers fractions and decimals they develop an understanding of multiplication and division mastering and applying basic facts concrete materials can help students represent and reinforce these important concepts activities in this book invite students to use fraction circles to compare fractions and dot arrays to explore multiplication and the distributive property the authors present many other hands on approaches including the use of work mats open number lines multiplication chains and games with spinners numbers and the operations that we perform with them are the starting points for all mathematics accordingly principles and standards for school mathematics makes the number and operations standard first among the five content standards and gives it centrality across the mathematics curriculum from prekindergarten through grade 12 the navigations series translates principles and standards for school mathematics into action each book includes practical teacher tested activities and a supplemental cd rom that features applets for students use and resources for teachers professional development

i wish i d had this book when i began teaching years ago beth peters mathematics education consultant an excellent

concise book for novice mathematics teachers with good ideas for experienced teachers as well colleen martin fifth grade teacher wilder waite grade school peoria il practical support for mathematics instruction putting it all together from standards based instruction to assessment meeting the requirements of teaching mathematics in the current era of accountability can be challenging for any new teacher succeeding at teaching mathematics k 6 helps beginning educators focus on the big ideas in teaching mathematics promote positive engagement in the classroom through practical strategies and use a variety of methods to assess student understanding teachers will find classroom vignettes that encourage thought provoking discussions examples of standards based activities and an overview of nctm content and process standards particular attention is given to instructing and assessing english language learners as well as special needs and gifted populations the authors answer the most pressing questions for novice teachers of mathematics including how to develop a philosophy for teaching mathematics design a mathematics curriculum that makes connections within mathematics and across content areas differentiate instructional strategies engage students instead of managing them this invaluable resource provides the ideal support and guidance to help new teachers get off to a great start

this collection of articles and lessons provides classroom examples of how to use children s literature to teach mathematics effectively in prekindergarten through eighth grade the articles focus on five content strands number and operations algebra geometry measurement and data analysis and probability and describe how the different authors have used specific books to help their students learn mathematics most of the articles involve communication problem solving representation and reasoning and some of them address connections helpful teacher notes indicate the grade range topic literature selection featured in the lesson materials needed discussion of the mathematics and questions for students blackline masters of recording sheets are also included for most lessons

traditional chinese edition of amanda bean s amazing dream

this book establishes a solid math foundation for future teachers thoroughly revised with a clean engaging design the new tenth edition of musser peterson and burger s best selling textbook focuses on one primary goal helping students develop a deep understanding of mathematical concepts so they can teach with knowledge and confidence the components in this complete learning program from the textbook to the e manipulative activities to the children s videos to the online problem solving tools resource rich website and enhanced wileyplus work in harmony to help achieve this goal wileyplus sold separately from text

this workbook presents valuable research information in a non threatening and non statistical format educators can easily progress through the book and begin practicing research in the classroom to better meet the needs of their students

o connell provides a practical guide to teaching math for understanding and clarity

teaching mathematics to a range of learners has always been challenging with the widespread use of inclusion and rti having a variety of effective teaching options for students who struggle is more important than ever in my kids can you ll get instructional strategies that allow all struggling math learners to move along the path toward grade level competency in my kids can teachers share successful ways to work with struggling students their instruction is aligned with the nctm standards and guided by five powerful core principles make mathematical thinking explicit link assessment and teaching build understanding through talk expect students to take responsibility for their own learning and support them as they do work collaboratively with special education staff to plan effective instruction these teachers describe how they use whole group small group and individual instruction as well as other strategies that hold kids to high expectations while scaffolding content and processes across the math curriculum in addition an accompanying dvd presents classroom footage of their teaching and includes the language dialogue and teaching moves you ll adapt for success with your students the dvd also contains teacher interviews that answer difficult questions of practice best of all with professional learning questions and video analyses my kids can is great for individuals teacher study groups staff development and preservice courses help every child grow as a mathematician trust your fellow teachers for instruction that works read my kids can and use its proven effective strategies and its professional supports to build on your students strengths and address their learning needs

an exuberant treasure trove for parents publishers weekly are children reading enough not according to most parents and teachers who know that reading aloud with children fosters a lifelong love of books ensures better standardized test scores promotes greater success in school and helps instill the values we most want to pass on esmé raji codell an inspiring children s literature specialist and an energetic teacher has the solution she s turned her years of experience with children parents librarians and fellow educators into a great big indispensable volume designed to help parents get their kids excited about reading here are hundreds of easy and inventive ideas innovative projects creative activities and inspiring suggestions that have been shared tried and proven with children from birth through eighth grade this five hundred page volume is brimming with themes for superlative storytimes and book based birthday

parties ideas for mad scientist experiments and half pint cooking adventures stories for reluctant readers and book groups for boys step by step instructions for book parades book related crafts storytelling festivals literature based radio broadcasts readers theater and more there are book lists galore with subject driven reading recommendations for science math cooking nature adventure music weather gardening sports mythology poetry history biography fiction and fairy tales codell s creative thinking and infectious enthusiasm will empower even the busiest parents and children to include literature in their lives

presents a guide to nearly 27 000 children s picture book titles grouped in over 1 200 subjects and indexed by author title and illustrator

brief contents chapter 1 teaching mathematics influences and directiveschapter 2 learning and teaching mathematicschapter 3 developing mathematical thinking and problem solving abilitychapter 4 assessing mathematics understandingchapter 5 developing number conceptschapter 6 developing understanding of numerationchapter 7

a short primer on each of the major math content areas that preservice and inservice elementary and middle school teachers are required to know this book is an invaluable resource for the classroom teacher who needs both an overview for planning and help in answering student questions based broadly on the national standards it gives the teacher general scientific information to cover most state s standards and to help prepare them for teacher certification exams it also provides a strong overview of mathematical knowledge to allow the teacher to find information on important concepts to see where significant moments in mathematical history fit chronologically and to improve the teacher s understanding of mathematical ideas and concepts moreover it saves professors from having to re teach mathematics content so they can remain focused on the methods

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