Descriptive Text

Pricing effective 2016

Revised 8/11/16

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2016 New Titles

***Talks Moves: A Teacher's Guide for Using Classroom Discussion in Math, *Grades K–6*, Third Edition, A Multimedia Professional Learning Resource** (book and DVD)
by Suzanne H. Chapin, Catherine O'Connor, and Nancy Canavan Anderson
ISBN: 978-1-935099-82-6
Grades: K–6 448 Pages $73.95

***Same Content as *Classroom Discussions in Math: A Teacher's Guide for Using Talk Moves to Support the Common Core and More, Grades K–6, Third Edition*, just an updated title and ISBN**

Talk Moves: A Teacher's Guide for Using Classroom Discussions in Math
offers an award-winning, unparalleled look at the significant role that classroom discussions can play in teaching mathematics and deepening students' mathematical understanding and learning. Based on a four-year research project funded by the U.S. Department of Education, this resource is divided into three sections:

- Section I: Getting Started: Mathematics Learning with Classroom Discussions
- Section II: The Mathematics: What Do We Talk About?
- Section III: Implementing Classroom Discussions

This multimedia third edition continues to emphasize the talk moves and tools that teachers can use to facilitate whole-class discussions that deepen students' mathematical understanding.
New to This Edition
- **46 video clips** from every grade, kindergarten through sixth, show students and teachers engaged in successful classroom discussions. Some video clips are new to *Talk Moves*; others are all-time favorites selected from *Talk Moves: A Facilitator's Guide to Support Professional Learning of Classroom Discussions in Math*
- **support for teaching with the Common Core State Standards for Mathematics**
- **Try This Out!** sections offer specific mathematics problems, questions, and more than twenty lesson plans ready for immediate use in the classroom (lessons can be downloaded from

mathsolutions.com/classroomdiscussionsreproducibles)

• **Math Talk Tips** highlight strategies for using specific talk moves, tools, and formats to develop students' mathematical learning

The DVD

The accompanying DVD organizes forty-six video clips by chapter and by grade level for viewing convenience. The clips range from one to nine minutes in length with a total viewing time of approximately two hours and twenty-six minutes.

See Also …

The two main components of *Talk Moves*—a teacher's guide and a facilitator's guide—ideally are used together to maximize understanding and facilitation of best talk practices in mathematics learning.

Coming Soon! October, 2016

Number Talks: Fractions, Decimals, and Percentages, A Multimedia Professional Learning Resource

by Sherry Parrish and Ann Dominick

ISBN: 978-1-935099-75-8

Grades: 3–7 $75.95

This second resource in the best-selling Number Talks series supports teachers who want to implement number talks, but are unsure of how to begin, and teachers who are seasoned in this art or instruction but desire additional support in crafting purposeful problems. This resource is intended to help teachers begin or refine their use of number talks with fractions, decimals, and percentages. More than 30 video clips give readers the opportunity to access authentic classroom number talks.

INFORMative Assessment: Formative Assessment Practices to Improve Mathematics Achievement, Middle and High School

by Jeane M. Joyner and George W. Bright

ISBN: 978-1-935099-45-1

Grades: Middle and High School 472 Pages $41.95

INFORMative Assessment should be intertwined with instruction. As we teach, we assess; and as we assess, we teach. With this in mind, INFORMative Assessment goes inside more than 30 classrooms to take "A Closer Look" at how to:

- create learning targets from instructional standards;
- design and use probing questions, intentional listening, and follow-up tasks to reveal students' thinking;
- use mathematically rich tasks to gather evidence about students' thinking;
- identify students' "logic" that leads to correct, incomplete, or incorrect responses;

- provide actionable feedback to students; and
- plan with colleagues to implement INFORMative Assessment in instruction.

More than 45 reflections support teachers in confidently carrying out actions in their own classrooms. Each chapter includes connections to standards, specifically the Common Core, and a place for you to record notes about your use of INFORMative Assessment—changes in your thinking, your questions, your frustrations, and, most importantly, your successes!

All Titles (listed in alphabetical order)

The $1.00 Word Riddle Book
story by Marilyn Burns
illustrations by Martha Weston
ISBN: 978-0-941355-02-5
Grades 2–6 48 pages $13.95
Which day of the week is a $1.00 word? And which U.S. coin is a $1.00 word, even though it's not really worth a dollar? Find out the answers to these and dozens more riddles in this unique and delightfully illustrated book. Each riddle calls for searching for words, practicing addition, and thinking mathematically. Used in *Math and Literature, Grades 4–6.*

50 Problem-Solving Lessons: The Best from 10 Years of Math Solutions Newsletters, Grades 1–6
by Marilyn Burns
ISBN: 978-0-941355-16-2
Grades 1–6 192 pages $29.95
Compiling Marilyn Burns most trusted lessons from the all-time favorite Math Solutions Newsletter, this resource is a popular starting point for any teacher introducing a problem-solving approach to teaching mathematics. Each lesson is aligned with content strands, features a vignette of how it actually unfolded in a classroom, and includes samples of authentic student work.

About Teaching Mathematics, Fourth Edition
by Marilyn Burns
ISBN: 978-1-935099-32-1
Estimated 505 Pages $89.95

In this fourth edition of her signature resource, Marilyn presents her current thinking and insights and includes ideas from her most recent teaching experiences.

Part 1, "Starting Points," reflects the major overhaul of this book and addresses twenty-three issues important to thinking about teaching mathematics today.

Part 2, "Problem-Solving Investigations," opens with how to plan problem-solving lessons; followed by whole-class, small-group, and individual investigations organized into five areas of the curriculum: Measurement, Data, Geometry, Patterns and Algebraic Thinking, and Number and Operations.

Part 3, "Teaching Arithmetic," focuses on the cornerstone of elementary mathematics curriculum, offering ideas and assessments that build students' understanding, confidence, and competence in arithmetic.

In Part 4, "Questions Teachers Ask," features Marilyn's responses to pedagogical questions she's received from teachers over the years.

More than forty reproducibles for *About Teaching Mathematics* are available to download in a printable format.

Active Algebra: Strategies and Lessons for Successfully Teaching Linear Relationships, Grades 7–10

by Dan Brutlag

ISBN: 978-1-935099-05-5

Grades 7–10 192 pages $40.95

Based on recent research on the adolescent brain, this powerful resource presents a living, working example of how teachers can use active learning techniques to help students make sense of linear relationships. This book provides comprehensive coverage of active learning strategies, mental math, student presentations, classroom management and discipline, the use of graphing calculators, and the latest brain research on active learning techniques. Includes a CD with a reproducible 10-lesson sequence.

Beyond Pizzas & Pies: 10 Essential Strategies for Supporting Fraction Sense, Grades 3-5, Second Edition

By Julie McNamara and Meghan M. Shaughnessy

ISBN: 978-1-935099-53-6

192 Pages $62.95

Now in a second edition that includes video, this must-have resource continues to support teachers in addressing students' common misconceptions about fractions. In each of the eight stand-alone chapters, the authors discuss one common dilemma that students have with fractions, share current research, and present classroom strategies and activities for preventing and addressing it. Activities are connected to the Common Core State Standards and include reproducibles. The accompanying DVD brings to life many of the activities in the book, featuring more than 30 authentic classroom video clips.

Beyond Invert and Multiply: Making Sense of Fraction Computation, Grades 3-6
By Julie McNamara
ISBN: 978-1-935099-57-4
192 Pages $62.95

This resource builds on the foundational understandings that are described in *Beyond Pizzas and Pies: 10 Essential Strategies for Supporting Fraction Sense* and applies them to situations involving fraction computation. The eight stand-alone chapters are organized within the same friendly, easily accessible framework as *Beyond Pizzas and Pies*. Each chapter offers classroom activities for investigating the meaning of fractions; fractions as numbers; fraction addition and subtraction; fraction multiplication and division; and classroom discussions on fractions. Activities are connected to the Common Core State Standards and include reproducibles. The accompanying DVD brings to life many of the activities in the book, featuring more than 30 authentic classroom video clips.

Classroom Discussions in Math: A Teacher's Guide for Using Talk Moves to Support the Common Core and More, Grades K–6, Third Edition, A Multimedia Professional Learning Resource*(book and DVD)*
ISBN: 978-1-935099-56-7
Suzanne H. Chapin, Catherine O'Connor, Nancy Canavan Anderson
Grades K-6 448 Pages Price $73.95

Classroom Discussions in Math: A Teacher's Guide for Using Talk Moves to Support the Common Core and More offers an award-winning, unparalleled look at the significant role that classroom discussions can play in teaching mathematics and deepening students' mathematical understanding and learning. Based on a four-year research project funded by the U.S. Department of Education, this resource is divided into three sections:

- Section I: Getting Started: Mathematics Learning with Classroom Discussions
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New to This Edition

- 46 video clips from every grade, kindergarten through sixth, show students and teachers engaged in successful classroom discussions. Some video clips are new to Classroom Discussions in Math; others are all-time favorites selected from *Classroom Discussions in Math: A Facilitator's Guide to Support Professional Learning of Discourse and the Common Core*
- support for teaching with the Common Core State Standards for Mathematics

- *Try This Lesson* sections offer specific mathematics problems, questions, and more than twenty lesson plans ready for immediate use in the classroom (**downloads provided upon purchasing this resource**)
- *Math Talk Tips* highlight strategies for using specific talk moves, tools, and formats to develop students' mathematical learning

The DVD

The accompanying DVD organizes forty-six video clips by chapter and by grade level for viewing convenience. The clips range from one to nine minutes in length with a total viewing time of approximately two hours and twenty-six minutes.

Classroom Discussions: A Facilitator's Guide to Support Professional Learning of Discourse and the Common Core, Grades K–6

Nancy Anderson, Suzanne Chapin, and Cathy O'Connor

ISBN: 978-1-935099-12-3

Grades K-6 240 Pages $149.95

Provides preservice and inservice instructors, coaches and facilitators with real, classroom-based video examples that illustrate the principles and practices covered in the authors' best-selling book, Classroom Discussions: Using Math Talk to Help Students Learn, Grade K–6, Second Edition. ***Ideally the three components –*** *guide, DVD, and book* ***– are used together. The video examples demonstrate how the talk tools described in the book can be used successfully in typical classrooms.***

A Collection of Math Lessons, Grades 1–3

by Marilyn Burns and Bonnie Tank

ISBN: 978-0-941355-01-8

Grades 1–3 200 pages $29.95

This wonderful resource is filled with practical, classroom-tested ideas for teaching mathematics with a problem-solving approach. All lessons encourage children to work cooperatively; explain their ideas; listen and question one another; and agree on solutions. Classroom vignettes describe lessons in vivid detail, and samples of actual student work are included throughout. Most lessons implement the use of manipulative materials to help children think about and reflect on mathematical ideas. Lessons in this book provide experiences with sorting, number, graphing, geometry, measurement, logical reasoning, probability, and functions.

A Collection of Math Lessons, Grades 3–6

by Marilyn Burns

ISBN: 978-0-941355-00-1

Grades 3–6 184 pages $29.95

This wonderful resource is filled with practical, classroom-tested ideas for teaching mathematics with a problem-solving approach. All lessons encourage children to work cooperatively; explain their ideas; listen and question one another; and agree on solutions. Classroom vignettes describe lessons in vivid detail, and samples of actual student work are included throughout. Most lessons implement the use of manipulative materials to help children think about and reflect on mathematical ideas. Lessons in this book explore estimation, word problems, multiplication, fractions, patterns, statistics, probability, geometry, and measurement.

A Collection of Math Lessons, Grades 6–8

by Marilyn Burns and Cathy Humphreys

ISBN: 978-0-941355-03-2

Grades 6–8 192 pages $29.95

This wonderful resource is filled with practical, classroom-tested ideas for teaching mathematics with a problem-solving approach. All lessons encourage children to work cooperatively; explain their ideas; listen and question one another; and agree on solutions. Classroom vignettes describe lessons in vivid detail, and samples of actual student work are included throughout. Most lessons implement the use of manipulative materials to help children think about and reflect on mathematical ideas. Part I in this book includes six lessons that integrate ideas from different strands of the math curriculum, including algebra, measurement, probability, statistics, and logical reasoning. Part II provides two sample replacement units with a two- to three-week study focus, one on the area of a circle and the other on percents.

Day-by-Day Math: Activities for Grades 3–6

by Susan Ohanian

ISBN: 978-0-941355-28-5

Grades 3–6 184 pages $25.95

From the birthday of the man who wore size-23 shoes to the invention of the sandwich, this eclectic and quirky collection of activity-based event anniversaries (two per day, for every day of the year, from January 1 through December 31) adds a blend of serious and light hearted oomph to math instruction. Provides opportunities for collecting, organizing, and graphing data; relating to monetary issues; thinking about areas of measurement; and more. Ideal for integrating math with other areas of the curriculum and relating math to the real world.

Developing Number Sense, Grades 3–6

by Rusty Bresser and Caren Holtzman

ISBN: 978-0-941355-23-0

Grades 3–6 192 pages $29.95

Imaginative lessons give students practice with mental computation, basic operations, navigating the number system, and estimation. Content is crafted to show that number sense is not a specific skill, but encompasses a student's ability to think and reason flexibly and make sound numerical judgments.

Enriching Your Math Curriculum, Grade 5
ISBN: 978-1-935099-02-4
Grade 5441 pages Price $53.95
A new addition to our *Month-to-Month Guide* series, this volume shares hundreds of practices and routines to support teachers as they prepare and present a meaningful year of mathematics instruction for fifth graders. The book's activities, lessons, and narration can be easily adapted to fit the particular needs of students or the requirements of prescribed curricula. The resource also includes games, tasks that provide opportunities for mathematics writing, suggestions for communicating with parents, and assessment practices. An accompanying CD provides over 100 printable reproducibles.

Faster Isn't Smarter: Messages About Math, Teaching, and Learning in the 21st Century, 2nd Edition
by Cathy L. Seeley
ISBN: 978-1-935099-72-7
Grades K–12 272 pages $34.95
Featuring 41 entirely updated messages and four new ones, this second edition continues to offer straight talk and common sense about some of today's most important, thought-provoking issues in education. With themes ranging from equity, intelligence, and the incredible potential of all students to challenging students to think with a problem-centered approach focused on student engagement and classroom discourse, the book provides a base for lively discussion among elementary, middle, and high school teachers; leaders; policy makers; and families.

From Reading to Math: How Best Practices in Literacy Can Make You a Better Math Teacher, Grades K–5
by Maggie Siena
ISBN: 978-1-935099-04-8
Grades K–5 168 pages $27.95
Are your students engaged and motivated to read and write but hesitant during math instruction? Do you want your students to be as excited about math as they are about literacy? This unique resource explores how best practices for teaching reading and writing can help you become a better math teacher. Drawing on the work of such educators as Richard Allington, Carl Anderson, Marilyn Burns, Cathy Fosnot, Stephanie Harvey, Heidi Hayes Jacobs, Ellin Keene, and Diane Snowball, the author describes strategies that work in teaching literacy and how to successfully implement them in the math class.

Getting Your Math Message Out to Parents: A K–6 Resource
by Nancy Litton
ISBN: 978-0-941355-20-9
Grades K–6 152 pages $21.95
Tackle the tricky issue of bridging the communication gap between teachers, students, and their parents. This unique resource explore the various channels—newsletters, back-to-school-night presentations, homework, and more—through which teachers can communicate with parents about their children's math

education.

Good Questions for Math Teaching: Why Ask Them and What to Ask, K–6

by Peter Sullivan and Pat Lilburn

ISBN: 978-0-941355-51-3

Grades K–6 112 pages $28.95

Open-ended questions, coined "good questions" by the authors, can prompt children to think creatively and critically. This useful book helps teachers define "good questions," offers teachers tips on how to create their own good questions, and presents a wide variety of sample questions that span 16 mathematical topics, including number, measurement, geometry, probability, and data.

Good Questions for Math Teaching: Why Ask Them and What to Ask, Grades 5–8

by Lainie Schuster and Nancy Canavan Anderson

ISBN: 978-0-941355-69-8

Grades 5–8 208 pages $28.95

"Good questions"—or open-ended questions—promote students' mathematical thinking, understanding, and proficiency. By asking careful, purposeful questions, teachers create dynamic learning environments, help students make sense of math, and unravel misconceptions. This valuable book includes a wide variety of good questions for classroom use and offers teachers tips on how to create open-ended questions of their own.

Growing Mathematical Ideas in Kindergarten

by Linda Schulman Dacey and Rebeka Eston

ISBN: 978-0-941355-22-3

Grade K 256 pages $31.95

Recognizing the special set of challenges that kindergarten teachers face, this resource presents a vision of a kindergarten classroom that nurtures the growth of all students' mathematical understanding.

How to Assess While Your Teach Math: Formative Assessment Practices and Lessons, Grades K-2

Dana Islas

ISBN: 978-1-935099-17-8

Graces K-2 224 Pages Price: $62.95

How to Assess While You Teach Math is the ideal resource for further understanding the process of formative assessment in addition to improving your teaching of mathematics. All lessons are correlated to the Common Core State Standards for Mathematics and Standards for Mathematical Practice.

How to Differentiate Your Math Teaching: Lessons, Ideas, and Videos with Common Core Support, Grades K–5, A Multimedia Professional Learning Resource *(book and DVD)*
Linda Dacey, Layne Bamford Lynch, Rebeka Eston Salemi
ISBN: 978-1-935099-40-6
Grades: K-5 384 Pages Price $72.95
How can teachers meet the growing diversity of learning needs in their classrooms? Furthermore, how do teachers meet this challenge in the midst of increasing pressures to master specified content? *How to Differentiate Your Math Instruction: Lessons, Ideas, and Videos with Common Core Support* shares classroom practices that help all students be successful and that give teachers the means to honor individual students and meet curricular outcomes simultaneously.

The need for differentiation has never been clearer; as stated in the introduction to the Common Core State Standards for Mathematics, "The Standards should be read as allowing for the widest possible range of students to participate fully from the outset, along with appropriate accommodations to ensure maximum participation of students with special education needs."

This multimedia resource offers:

- 21 video examples that illustrate how everything from menus and tiered tasks to math workshops and multiple intelligences centers can be carried out in the classroom;
- support for the Common Core State Standards of Mathematics, including lesson examples that focus on certain standards and integrate mathematical practices;
- Take Action! callouts that highlight exceptional ideas for differentiation and allow a reader-friendly way to access the text; and reproducibles (**downloads provided upon purchasing this resource**).

This resource includes 21 video segments filmed in actual K–5 classrooms. Clips range from one to twelve minutes in length, with a total viewing time of approximately one hour and thirty minutes.

INFORMative Assessment: Formative Assessment Practices to Improve Math Achievement, Grades K-6
Jeane M. Joyner and Mari Muri
ISBN: 978-1-935099-19-2
Grades K-6 336 Pages Price: $41.95
What is formative assessment? Why do we do it and what do students gain? Formative assessment is not a one-time event. It is not the product or end result of a set of well-defined steps. Rather, formative assessment is a process identified in this resource as INFORMative assessment when it is a collection of strategies that engage teachers and students in becoming partners to support students' learning.
This resource uniquely presents a collaborative learning journey in which educators understand the INFORMative perspective; explore must-have practices; and discuss how to implement them.

It All Adds Up! Engaging 8-to-12-Year-Olds in Math Investigations
by Penny Skinner

foreword by Marilyn Burns
ISBN: 978-0-941355-24-7
Grades 3–6 152 pages $21.95
Focusing on addition, subtraction, multiplication, and division in grades 3 through 6, this collection of lessons presents teaching strategies for engaging students in purposeful application of skills.

It's All Connected: The Power of Proportional Reasoning to Understand Mathematics Concepts, Gr 6-8
Carmen Whitman
ISBN: 978-1-935099-24-6
Grades 6-8 304 Pages $37.95
It's All Connected provides teachers of mathematics the support they need to improve their instruction. This in-demand collection of lessons for grades 6–8 explores proportionality, proportional relationships, and proportional reasoning, acknowledging that the ability to reason proportionally is crucial in the middle school mathematics curriculum. The lessons support teachers and students in thinking of proportionality as the big idea that connects across all strands.

It's All Connected: The Power of Representation to Build Algebraic Reasoning, Middle and High School
Frances Van Dyke
ISBN: 978-1-935099-42-0
Grades 6-9 208 Pages $37.95

It's All Connected focuses on the power of representation to build algebraic reasoning, offering a collection of 40 quick lessons (each takes less than thirty minutes). The lessons feature:

- creative exercises that illustrate key concepts associated with the graphical representation of functions;
- reproducible pages on which students can record their work **(download provided upon purchasing this resource);**
- correlations to the Common Core State Standards;
- teaching insights, and more.

Common Core State Connections:
In line with the Common Core State Standards, the lessons in this resource require students to understand and select appropriate units of measurement, to represent and interpret patterns with graphs, and to use graphical representations to model and interpret physical phenomena. In addition, the lessons incorporate all of the mathematical practices outlined in the Common Core State Standards.

Investigations, Tasks, and Rubrics to Teach and Assess Math, Grades 1-6
Pat Lilburn and Alex Ciurak
ISBN: 978-1-935099-14-7

Grades 1-6 154 Pages $39.95

Giving teachers a menu of rich mathematical experiences for all students, this dynamic resource provides strategies for developing differentiated, open-ended, and engaging problem-solving tasks. At the core of this resource are research-based assessment rubrics to inform math teaching on an ongoing basis. The nine sample rubrics feature authentic student work and allow teachers to identify how students use mathematical language, strategies, and materials; experience challenges and successes; and make connections among key mathematical ideas.

More than 200 tasks grouped by content strands reflect the ideals of NCTM's Principles and Standards for School Mathematics and Curriculum Focal Points, while 60 reproducible investigations address more than one content strand and are true problem-solving applications of mathematical skills, procedures, and reasoning. The tasks can generally be completed within a short period of time, and the investigations are designed to be explored over a longer time period.

It Makes Sense! Using Ten Frames to Build Number Sense, Grades K-2

Melissa Conklin

ISBN: 978-1-935099-10-9

Grades K-2 300 Pages $36.95

Many state standards expect students to be fluent and flexible in their ability to compute numbers and require students to solve addition and subtraction problems using models. This resource includes 20 classroom-tested lessons that provide friendly, meaningful support for using ten-frames, one of the most important models teachers can use to help students anchor to the landmark number ten and develop all aspects of number sense. Three types of step-by-step lessons—routines, games, and problem-solving activities—provide students with opportunities to think, reason, and communicate about numbers. Teacher support materials include strategies for differentiating instruction; assessment rubrics; examples of student thinking; technology tips; teacher reflections; and reproducible ten- frames, ten-frame cards, and computation cards.

It Makes Sense! Using the Hundreds Chart to Build Number Sense, Grades K-2

Melissa Conklin and Stephanie Sheffield

ISBN: 978-1-935099-37-6

Graces K-2 242 Pages $36.95

From *Building a Wacky Hundreds Chart to Number Chart Bingo!,* the twenty classroom-tested lessons and games in this resource transform the hundreds chart from a poster on the classroom wall into a hands-on, interactive tool used by both teachers and students. The hundreds chart is one of the most important tools teachers can manipulate to help students think about our base ten number system and to build a mental model of the mathematical structure of it. Working with the hundreds chart helps learners develop the skills they need to become flexible and fluent problem solvers, and meet the requirements of many state standards, including the Common Core State Standards.

Leading the Way: Principals and Superintendents Look at Math Instruction

edited by Marilyn Burns

ISBN: 978-0-941355-21-6

K–6 administrators 128 pages $21.95

This collection of essays provides a firsthand glimpse into the challenges administrators face and the efforts they've made to promote the best in mathematics education. This book is a must for superintendents, principals, math coordinators, teacher leaders, math coaches, and other administrators who are supporting high-quality, standards-based mathematics instruction in their schools and districts.

Learning Math with Calculators: Activities for Grades 3–8

by Len Sparrow and Paul Swan

ISBN: 978-0-941355-35-3

Grades 3–8 104 pages $20.95

This book helps guide teachers in the appropriate use of calculators. The first part addresses a broad range of questions and concerns raised by teachers. The second part consists of a collection of classroom-tested calculator activities that have been designed to develop children's number sense and problem-solving ability.

Lessons for Algebraic Thinking®, Grades K–2

by Leyani von Rotz and Marilyn Burns

ISBN: 978-0-941355-47-6

Grades K–2 280 pages $38.95

Recognizing that children's understanding of number is the main focus of math instruction in the primary grades, these lessons build on arithmetic concepts and skills to develop children's algebraic thinking. Manipulative materials, problem-solving investigations, games, and real-world and imaginary contexts support arithmetic learning while introducing ideas basic to algebra, including patterns, equivalence, and graphing.

Lessons for Algebraic Thinking®, Grades 3–5

by Maryann Wickett, Katharine Kharas, and Marilyn Burns

ISBN: 978-0-941355-48-3

Grades 3–5 336 pages $38.95

The lessons in this book build the foundation that prepares students for studying algebra in middle and high school. Incorporating manipulative materials, children's books, and problem-solving investigations, lessons actively engage students in creating, recognizing, describing, and extending patterns, and representing patterns with words, tables, variables, and graphs. Lessons also introduce students to solving equations and plotting points.

Lessons for Algebraic Thinking®, Grades 6–8

by Ann Lawrence and Charlie Hennessy

ISBN: 978-0-941355-49-0

Grades 6–8 280 pages $38.95

These lessons show how to maximize instruction that prepares students for formal algebra. Through a series of investigations that help students make connections between arithmetic and algebra, students build proficiency with key algebraic concepts—patterns, functions, and variables. They use multiple representations including models, drawings, tables, graphs, words, and symbols. Lessons include a technology component with suggestions for teaching with graphing calculators.

The Marilyn Burns Fraction Kit®, Grades 4–6

Item No. 514440 Grades 4–6 $49.95

Discover the single most effective manipulative material that Marilyn Burns uses for teaching fractions. The kit plays a prominent role in the three fraction books from the Teaching Arithmetic® series. The kit contains The Fraction Kit Guide®, Grades 4–6; 30 sets of 8 colored 2-by-15-inch strips with student storage bags; 15 beginner and 15 advanced fraction dice; and a teacher set of magnetic strips.

Fraction Kit Replacements:

Teacher set of magnetic strips

Item No. 514445 $17.95

The pre-labeled magnetic strips in red, light blue, purple, brown, and dark blue provide teachers with duplicates of the fraction kit each child will create, which they can use for classroom display.

30 sets of 8 colored strips

Item No. 514444 $24.95

These 2-by-15-inch paper strips in red, light blue, purple, brown, and dark blue provide each student with hands-on materials to create his or her own fraction kit.

15 beginner fraction dice (red)

Item No. 514442 $14.95

The faces of these red dice are labeled with the following simple fractions: 1/2, 1/4, 1/8, and 1/16.

15 advanced fraction dice (blue)

Item No. 514446 $14.95

The faces of these blue dice are labeled with the simple fractions 1/2, 1/4, 1/8, and 1/16 as well as these more advanced fractions: 1/3, 1/6, and 1/12.

Math and Literature

From *Quack and Count* to Harry Potter, the imaginative ideas in children's books come to life in math lessons through this unique series. Each resource provides more than 20 classroom-tested lessons that engage children in mathematical problem solving and reasoning. Each lesson features an overview, materials required, and a vignette of how the lesson actually unfolded in a classroom.

Math and Literature, Grades K–1

by Marilyn Burns and Stephanie Sheffield

ISBN: 978-0-941355-66-7

Grades K–1 152 pages $32.95

These lessons, based on popular children's books, address major mathematical topics such as counting, addition, subtraction, sorting, measurement, patterns, and problem solving.

Math and Literature, Grades 2–3

by Marilyn Burns and Stephanie Sheffield

ISBN: 978-0-941355-67-4

Grades 2–3 160 pages $32.95

These lessons, based on popular children's books, address major mathematical topics such as addition, subtraction, multiplication, geometry, algebraic thinking, number sense, and place value.

Math and Literature, Grades 4–6, Second Edition

by Rusty Bresser

ISBN: 978-0-941355-68-1

Grades 4–6 240 pages $32.95

These lessons, based on popular children's books, address major mathematical topics such as whole number computation, multiplication, division, fractions, geometry, mental math, ratio and proportion, probability, patterns, and number sense.

Math and Literature, Grades 6–8

by Jennifer M. Bay-Williams and Sherri L. Martinie

ISBN: 978-0-941355-63-6

Grades 6–8 184 pages $32.95

This engaging title brings the joy of children's literature to the middle school mathematics classroom. Also included is a chart of lessons that indicates the mathematical concept each lesson covers, such as number, geometry, patterns, algebra, measurement, data analysis, or probability.

Math and Nonfiction

From *The Wing on a Flea* to *If the World Were a Village,* the curiosities of nonfiction children's books come to life in math lessons through this innovative series. Ideal for using students' natural quest for knowledge as the basis for mathematical investigations, each lesson features an overview, materials required, and a vignette of how the lesson actually unfolded in a classroom. Books include authentic student work, reproducibles, and a special introduction by Marilyn Burns.

Math and Nonfiction, Grades K–2

by Jamee Petersen

ISBN: 978-0-941355-61-2

Grades K–2 144 pages $32.95

Reading and comprehending nonfiction are important activities in the elementary classroom. These lessons inspire students to explore geometric shapes in their everyday lives, investigate measurement, collect and organize data, compute with coins, learn how to tell time, and more.

Math and Nonfiction, Grades 3–5

by Stephanie Sheffield and Kathleen Gallagher

ISBN: 978-0-941355-62-9

Grades 3–5 232 pages $32.95

Reading and comprehending nonfiction are important activities in the intermediate classroom. This title addresses major mathematical topics such as whole number computation, fractions, percents, sorting, graphing, measurement, data analysis, estimation, averages, and number sense.

Math and Nonfiction, Grades 6–8

by Jennifer M. bay-Williams and Sherri L. Martinie

ISBN: 978-0-941355-86-5

Grades 6–8 224 pages $32.95

This new addition to the Math, Literature, and Nonfiction series helps teachers build on their students' natural passion for knowledge as they engage in real-world mathematical problem solving. The lessons in this book use nonfiction as a springboard to explore mathematical concepts key to the middle school curriculum. The lessons inspire students to collect and analyze data, use proportional reasoning, and explore probability, relationships between two-and three-dimensional objects, pi, and more. Each lesson includes an overview of the nonfiction title; a discussion of the lesson's mathematical focus; and a detailed narrative description of how the activity unfolds.

Math By All Means®: Area and Perimeter, Grades 5–6

by Cheryl Rectanus

ISBN: 978-0-941355-18-6

Grades 5–6 208 pages 32.95

Hands-on investigations with regular and irregular shapes help students go beyond learning the traditional formulas for finding area and perimeter. Lessons use color tiles, string, rulers, and measuring tapes.

Math By All Means®: Geometry, Grades 1–2

by Chris Confer

ISBN: 978-0-941355-08-7

Grades 1–2 200 pages $32.95

This unit helps teachers develop students' understanding of the properties of shapes. Lessons incorporate children's literature, explore quilt designs, and use manipulative materials to help students investigate how shapes are related to one another, including what happens when shapes are combined or divided.

Math By All Means®: Geometry, Grades 3–4

by Cheryl Rectanus

ISBN: 978-0-941355-10-0

Grades 3–4 160 pages $32.95

The lessons in this book actively involve students in exploring geometric ideas through hands-on investigations with two- and three-dimensional shapes. Students also develop greater proficiency in logic, number, and measurement.

Math By All Means®: Money, Grades 1–2

by Jane Crawford

ISBN: 978-0-941355-17-9

Grades 1–2 192 pages $32.95

Give students in-depth experience identifying coins and their values; counting money; and applying their learning to problem-solving situations through the more than 30 lessons in this resource. Extensive references to children's literature along with engaging games and activities help strengthen children's number sense and computation skills.

Math By All Means®: Probability, Grades 1–2

by Bonnie Tank

ISBN: 978-0-941355-15-5

Grades 1–2 200 pages $32.95

Through a variety of games and investigations using dice, cards, and spinners, students make predictions, collect data, and reflect on results. They also develop number sense and reinforce their computation skills. In the process, students learn what makes games fair or unfair and how to tell if they are based on strategy or chance.

Math By All Means®: Probability, Grades 3–4

by Marilyn Burns

ISBN: 978-0-941355-12-4

Grades 3–4 264 pages $32.95

Challenging games, experiments, and investigations provide the context for students to gather sample data, predict outcomes, and then test their predictions. Students soon discover that they can assess the likelihood of an event actually occurring.

Math Coach Field Guide, The: Charting Your Course

edited by Carolyn Felux and Paula Snowdy

ISBN: 978-0-941355-72-8

All levels 144 pages $23.95

The role of a math coach is demanding and often undefined. In this edited collection, veteran math coaches share their expertise, providing glimpses into the unique trials, false starts, and successes they have faced in their positions. The authors ask and answer such questions as the following: What makes an effective math coach? What pitfalls do math coaches encounter and what can they do about them?

Math for All: Differentiating Instruction

Embrace the diverse spectrum of abilities, interests, and learning styles among students with this powerful series. Each book includes practical, research-based guidance to differentiating instruction for mathematics and dozens of ready-to-use differentiated tasks (including reproducibles). Discover ways to scaffold mathematical learning; strategies for providing and structuring choice within classrooms; and guidance in leading large-group discussions. Includes alignment with NCTM's *Principles and Standards for School Mathematics* and *Curriculum Focal Points.*

Math for All: **Differentiating Instruction, Grades 6–8**

By Linda Dacey and Karen Gartland

ISBN: 978-1-935099-00-0

Grades 6–8 312 pages $39.95

Math Games for Number and Operations and Algebraic Thinking: Games to Support Independent Practice in Math Workshops and More, Grades K-5

ISBN 978-1-935099-43-7

Jamee Petersen

Grades K-5 304 Pages Price: $36.95

These thirty-three classroom-tested games can be played successfully by learners on their own, during math workshops, or at math stations. You'll find all-time favorites like *Circles and Stars*, *Leftovers*, *Cross Out Singles*, and *Tens Go Fish*. You'll also discover games that you've likely not encountered before—as well as twists on some of your personal favorites!

Teaching Support

The step-by-step lessons in *Math Games for Independent Practice* offer a wealth of teacher support, including:

- strategies for differentiating instruction;
- key questions to promote student thinking;
- tips for using interactive whiteboards;
- reproducibles—from game boards, directions, and recording sheets to assessments (**downloads provided upon purchasing this resource**)

Common Core State Standards

Tables in this resource detail how the games connect to the Common Core State Standards for Mathematics. Use the tables alongside your own curriculum, standards, or pacing guides to help you determine which games meet the concepts and skills you need to address with your students.

Math Homework That Counts, Grades 4–6

by Annette Raphel

ISBN: 978-0-941355-27-8

Grades 4–6 104 pages $18.95

What constitutes meaningful math homework? These many examples and activities show how homework can reinforce skills, prepare students for future classroom lessons, extend their mathematical knowledge, and inspire creativity.

Math: Facing an American Phobia

by Marilyn Burns

ISBN: 978-0-941355-19-3

All levels 176 pages $19.95

Challenging negative attitudes and delivering a positive message about what math can and should mean to all of us, this resource is both an entertaining and invaluable read. From "Talking Turkey About Arithmetic" to "Making Math Make Sense," the 13 chapters help everyone conquer their fear of math.

Math Matters: Understanding the Math You Teach, Grades K–8, Second Edition

by Suzanne H. Chapin and Art Johnson

ISBN: 978-0-941355-71-1

Grades K–8 376 pages $46.95

This must-have resource is widely acknowledged for helping teachers, coordinators, and college faculty deepen their understanding of the mathematical concepts they teach. *Math Matters* provides an in-depth study with 14 chapters covering: Number Sense, Computation, Addition, Subtraction, Multiplication, Division, Fractions, Decimals, Percents, Ratios, Algebra, Geometry, Spatial Sense, Measurement, Statistics, and Probability. Over 100 activities give readers an opportunity to connect ideas, compare and contrast concepts, and consider how students understand the mathematics presented.

Mathematics: What Are You Teaching My Child?

English version on DVD: Item No. 615050 $31.95

Grades K–6 20 minutes

Marilyn Burns' clear and informative commentary makes this lively and compelling videotape an excellent tool for orienting both parents and teachers to the continually changing world of math instruction and explaining why change will benefit students. Woven throughout the video are scenes of classroom instruction, interviews with parents about their own math schooling, and visits with professionals using math in real-world contexts.

Minilessons for Math Practice

Requiring only 5 to 15 minutes to teach, these quick, engaging activities offer experiences in all of the content areas important to elementary mathematics: number, measurement, geometry, data analysis and probability, and algebra. Each resource of 27 classroom-tested lessons models how to develop several

important math processes: problem solving, reasoning and proof, communication, connections, and representation. Each activity features a materials list, step-by-step teaching directions, a list of key questions to ask students during the lesson, a vignette of how the lesson actually unfolded in a classroom, and ideas for extending the activity throughout the year. Content areas covered include number, measurement, geometry, data analysis, and probability. Each book includes reproducibles.

Minilessons for Math Practice, Grades K–2
by Rusty Bresser and Caren Holtzman
ISBN: 978-0-941355-74-2
Grades K–2 160 pages $28.95

Minilessons for Math Practice, Grades 3–5
by Rusty Bresser and Caren Holtzman
ISBN: 978-0-941355-75-9
Grades 3–5 160 pages $28.95

Month-to-Month Guide, A: First-Grade Math
by Vicki Bachman
ISBN: 978-0-941355-54-4
Grade 1 320 pages $39.95
Planning math instruction is a demanding aspect of teaching. Teachers need to have an overall sense of the curriculum for the whole year, of what's going to be taught each month, and of what specifically to teach each day. This guide makes it easy to plan all three. It offers helpful mathematical strands organized month by month and covering grade-relevant topics. Includes reproducibles.

Month-to-Month Guide, A: Second-Grade Math
by Nancy Litton
ISBN: 978-0-941355-55-1
Grade 2 248 pages $39.95
Planning math instruction is a demanding aspect of teaching. Teachers need to have an overall sense of the curriculum for the whole year, of what's going to be taught each month, and of what specifically to teach each day. This guide makes it easy to plan all three. It offers helpful mathematical strands organized month by month and covering grade-relevant topics. Includes reproducibles.

Month-to-Month Guide, A: Third-Grade Math
by Suzy Ronfeldt
ISBN: 978-0-941355-56-8
Grade 3 360 pages $39.95

Each of the month-to-month planning guides provide an overall sense of the curriculum for the entire year, the focus for each month, and what specifically to teach day by day. Topics of study include addition and subtraction, multiplication and division, fractions, geometry, and more.

Month-to-Month Guide, A: Fourth Grade Math (Includes CD)
by Lainie Schuster
ISBN: 978-0-941355-83-4
Grade 4512 pages $39.95
Planning math instruction is a demanding aspect of teaching. Teachers need to have an overall sense of the curriculum for the whole year, of what's going to be taught each month, and of what specifically to teach each day. This guide makes it easy to plan all three. It offers helpful mathematical strands organized month by month and covering grade-relevant topics. As an alternative to photocopying, the 100 reproducibles in this book are also featured in PDF format on an included CD. Just pop into a computer, print, and use!

Number Talks: Helping Children Build Mental Math and Computation Strategies, Grades K-5, A Multimedia Professional Learning Resource
Whether you want to implement number talks but are unsure of how to begin or have experience but want more guidance in crafting purposeful problems, this dynamic multimedia resource will support you in building mental math and computational strategies. The author explains what a classroom number talk is; how to follow students' thinking and pose the right questions to build understanding; how to prepare for and design purposeful number talks; and how to develop grade-level-specific thinking strategies for the operations of addition, subtraction, multiplication, and division.
Number Talks ***includes connections to NCTM's 978-1-935099-45-1as well as reference tables to help you quickly and easily locate strategies, number talks, and video clips. Includes Facilitator's Guide and DVD.***
Sherry Parrish
ISBN: 978-1-935099-11-6
Grades K-5 432 Pages Price: $75.95

Smarter Than We Think: More Messages About Math, Teaching, and Learning in the 21st Century
By Cathy L. Seeley
ISBN: 978-1-935099-36-9
405 Pages $34.95
Smarter Than We Think: More Messages About Math, Teaching, and Learning contains 40 entirely new, contemporary messages, addressing key topics such as the Common Core State Standards, Professional Learning Communities, 21st Century Skills, online learning, high school mathematics, English Language Learners, and data-driven decision making. Some messages may revisit themes from *Faster Isn't Smarter* to reinforce the most important points made and advance teachers' thoughtful discussion about critical issues. Other messages will tackle topics and stories not included in *Faster Isn't Smarter*.

Show and Tell: Representing and Communicating Mathematical Ideas in K–2 Classrooms

by Linda Dacey and Rebeka Eston

ISBN: 978-0-941355-50-6

Grades K–2 240 pages $31.95

This useful and compelling book demonstrates how students deepen their mathematical ideas and understanding when they are encouraged to represent and communicate their thinking. Numerous classroom vignettes and reflective comments provide a model for how "show and tell" can enhance teaching and improve children's learning.

Sizing Up Measurement: Activities for Grades K–2 Classrooms

by Vicki Bachman

ISBN: 978-0-941355-79-7

Grades K–2 192 pages $39.95

Expert teachers share a wealth of classroom-tested lessons that help students understand why and how to measure length, area, capacity, weight, time, and temperature. The book provides engaging real-world contexts to help students understand what it means to measure, using standard and nonstandard units. The lessons emphasize connections between two or more measurement topics and include connections to other disciplines, such as literature, social studies, or science. Each lesson is organized in an accessible, easy-to-use format that includes an overview, a list of materials, a vocabulary list, and step-by-step teaching directions.

Sizing Up Measurement: Activities for Grades 3–5 Classrooms

by Chris Confer

ISBN: 978-0-941355-80-3

Grades 3–5 344 pages $39.95

Expert teachers share a wealth of classroom-tested lessons that help students understand why and how to measure length, area, volume, weight, time, temperature, and angles. The book provides engaging real-world contexts to help students understand what it means to measure, using standard and nonstandard units. The lessons emphasize connections between two or more measurement topics and include connections to other disciplines, such as literature, social studies, or science. Each lesson is organized in an accessible, easy-to-use format that includes an overview, a list of materials, a vocabulary list, and step-by-step teaching directions.

Sizing Up Measurement: Activities for Grades 6–8 Classrooms

by Ann Lawrence and Charlie Hennessy

ISBN: 978-0-941355-81-0

Grades 6–8 280 pages $39.95

Expert teachers share a wealth of classroom-tested lessons that help students understand why and how to measure, focusing on concepts important to the middle school math curriculum, including length, area,

volume, ratio and rates, similarity, and angles. The book provides engaging real-world contexts to help students understand what it means to measure, using standard and nonstandard units. The lessons emphasize connections between two or more measurement topics and include connections to other disciplines, such as literature, social studies, or science. Each lesson is organized in an accessible, easy-to-use format that includes an overview, a list of materials, a vocabulary list, and step-by-step teaching directions.

So You Have to Teach Math? Sound Advice for K–6 Teachers

by Marilyn Burns and Robyn Silbey

ISBN: 978-0-941355-29-2

Grades K–6 136 pages $27.95

Marilyn Burns and Robyn Silbey offer sensible and practical advice guaranteed to give all teachers support and direction for improving their mathematics teaching. The lively Q-and-A format addresses the concerns that most kindergarten through grade 6 teachers grapple with about teaching mathematics.

So You Have to Teach Math? Sound Advice for Grades 6–8 Teachers

by Cheryl Rectanus

ISBN: 978-0-941355-73-5

Grades 6–8 214 pages $27.95

So You Have to Teach Math? Sound Advice for Grades 6-8 Teachers addresses the particular challenges of teaching math in the middle grades, giving teachers direction, support, and encouragement for promoting mathematical learning for *all* students. The author provides in-depth answers to nearly 150 thought-provoking questions. Teachers will find here helpful ideas for leading class discussions, incorporating writing into math class, assessing and grading student work, dealing with homework issues, communicating with parents, and more.

Solving for Why: Understanding, Assessing, and Teaching Students Who Struggle with Math, Grades K-8

John Tapper

ISBN: 978-1-935099-33-8

Grades K-8 256 Pages $37.95

Solving for Why offers educators the tools and guidance essential for successfully solving for why students struggle with mathematics. The step-by-step, **RTI (Response to Intervention)**—like approaches, focused on assessment and communication with students, help teachers gain insight into student understanding in a remarkably different way than recipe-type approaches that assume the same solution applies to learners with similar struggles. With Solving for Why you'll learn how to:

- **identify** a struggling math learner;
- **develop** theories for why a learner may be struggling;
- **facilitate** a Concrete—Representational—Abstract (CRA) Assessment;
- **implement** an insightful Collaborative Study;
- **conduct** powerful student interviews;

- **support** learners who struggle with memory challenges, attention deficit disorder, and affective difficulties (math anxiety);
- **differentiate** instruction through a main lesson—menu lesson plan; and more.

Supporting English Language Learners in Math Class

This lesson-based series gives teachers the essential tools for simultaneously meeting math content goals and language development goals. Teachers will get a wealth of strategies and activities for modifying their instruction as well as sentence frame structures and dozens of instant-use reproducibles.

Supporting English Language Learners in Math Class, Grades K–2

by Rusty Bresser, Kathy Melanese, and Christine Sphar

ISBN: 978-0-941355-84-1

Grades K–2 216 pages $36.95

Supporting English Language Learners in Math Class, Grades 3–5

by Rusty Bresser, Kathy Melanese, and Christine Sphar

ISBN: 978-0-941355-85-8

Grades 3–5 224 pages $36.95

Supporting English Language Learners in Math Class, Grades 6-8

This new addition to Math Solutions Supporting English Language Learners in Math Class series offers a wealth of lessons and strategies for modifying grades 6-8 instruction. Section I presents an overview of teaching math to English learners: the research, the challenges, the linguistic demands of a math lesson, and specific strategies and activities that simultaneously support learning English and learning math. Section II features math lessons modified for English learners.

Kathy Melanese, Luz Chung, Cheryl Forbes

ISBN: 978-1-935099-18-5

Grades 6-8 256 Pages Price: $36.95

Teaching Arithmetic® 12-Book Series

Support mathematical understanding in your instructional program through this rich collection of easy-to-use teaching resources. Each book focuses on a specific arithmetic topic and offers a series of classroom-tested lessons addressing the three important aspects of arithmetic instruction—computation, number sense, and problem solving. The lessons include step-by-step directions, amount of time needed, materials required, classroom vignettes, samples of student work, reproducibles, and a discussion of the math underlying the lesson.

Teaching Arithmetic®: Lessons for Addition and Subtraction, Grades 2–3

by Bonnie Tank and Lynne Zolli

ISBN: 978-0-941355-32-2

Grades 2–3 200 pages $37.95

The real-world problems, explorations with money, measurement activities, investigations, and games in this book capture students' interest, motivate their thinking, and increase their learning. Students learn basic facts, develop multiple strategies for computing, make estimates, and apply addition and subtraction to problem-solving situations.

Teaching Arithmetic®: Lessons for Decimals and Percents, Grades 5–6

by Carrie De Francisco and Marilyn Burns

ISBN: 978-0-941355-44-5

Grades 5–6 232 pages $37.95

These practical, classroom-tested lessons develop students' understanding of decimals and percents and help them ease the transition to middle school math. Through a series of engaging explorations, students learn to relate decimals to fractions; represent, read, and interpret decimal numerals; compare decimal numerals; and relate percents to fractions and decimals.

Teaching Arithmetic®: Lessons for Extending Division, Grades 4–5

by Maryann Wickett and Marilyn Burns

ISBN: 978-0-941355-46-9

Grades 4–5 296 pages $37.95

These lessons increase students' understanding of the connection between multiplication and division; help them learn divisibility rules; and build their understanding of the relationships among dividends, divisors, quotients, and remainders. This book builds on the lessons included in *Lessons for Introducing Division, Grades 3–4* with activities and strategies for solving division problems with large numbers.

Teaching Arithmetic®: Lessons for Extending Fractions, Grade 5

by Marilyn Burns

ISBN: 978-0-941355-43-8

Grade 5 232 pages $37.95

This book strengthens students' basic knowledge about fractions and focuses on helping them gain the understanding they need for adding and subtracting fractions. While the book builds on *Lessons for Introducing Fractions, Grades 4–5,* it remains accessible and appropriate for all students who have had beginning experiences naming, comparing, and ordering fractions.

Teaching Arithmetic®: Lessons for Extending Multiplication, Grades 4–5

by Maryann Wickett and Marilyn Burns

ISBN: 978-0-941355-31-5

Grades 4–5 224 pages $37.95

Focusing on multidigit multiplication, the lessons in this book help students learn to multiply by 10, multiples of 10, and powers of 10. Students become more proficient at estimating and mental multiplication, learn to apply the distributive property to multidigit multiplication, and develop paper-and-pencil strategies for computing.

Teaching Arithmetic®: Lessons for Extending Place Value, Grade 3

by Maryann Wickett and Marilyn Burns

ISBN: 978-0-941355-57-5

Grade 3 256 pages $37.95

Through investigations, games, and several lessons based on children's books, students explore the base ten system through the ten thousands, moving from using concrete manipulatives to working with more abstract numeric representations. Using addition, subtraction, multiplication, and division, students apply their knowledge of place value to solve a variety of problems.

Teaching Arithmetic®: Lessons for First Grade

by Stephanie Sheffield

ISBN: 978-0-941355-34-6

Grade 1 176 pages $37.95

Practical, engaging, and classroom-tested lessons help build children's numerical understanding and skills. Through manipulative materials and real-world problems, children learn to estimate, understand numerical relationships, develop number sense, compute mentally and with paper and pencil, and use arithmetic as a tool to solve problems.

Teaching Arithmetic®: Lessons for Introducing Division, Grades 3–4

by Maryann Wickett, Susan Ohanian, and Marilyn Burns

ISBN: 978-0-941355-42-1

Grades 3–4 216 pages $37.95

The lessons in this book present a series of explorations that introduce division to students by helping them relate division to multiplication and learn how division relates to equal groups. Students also learn how to recognize the two types of division problems, think about remainders in different ways, and use division to solve real-world problems.

Teaching Arithmetic®: Lessons for Introducing Fractions, Grades 4–5

by Marilyn Burns

ISBN: 978-0-941355-33-9

Grades 4–5 192 pages $37.95

These lessons provide all students the foundation they need to experience success with fractions. Through hands-on investigations, students learn to name fractional parts of wholes and sets; use standard notation to represent fractional parts; understand equivalence; compare, order, and combine fractions; and make reasonable estimates when solving problems involving fractions.

Teaching Arithmetic®: Lessons for Introducing Multiplication, Grade 3

by Marilyn Burns

ISBN: 978-0-941355-41-4

Grade 3 208 pages $37.95

Multiplication is one of the most important math topics in third grade, and the lessons in this book offer ways to make it accessible to all children. Students learn how multiplication relates to repeated addition and how it can be interpreted geometrically. They calculate products up to 12 × 12, engage in explorations about multiplication, and practice solving real-world problems.

Teaching Arithmetic®: Lessons for Introducing Place Value, Grade 2

by Maryann Wickett and Marilyn Burns

ISBN: 978-0-941355-45-2

Grade 2 200 pages $37.95

The investigations in this book help second graders build their understanding of the tens and ones structure of our number system. Lessons engage children in comparing and explaining the relative size of numbers, counting larger numbers in two or more ways, and recognizing that the number of objects always remains the same despite different ways of grouping.

Teaching Arithmetic®: Lessons for Multiplying and Dividing Fractions, Grades 5–6

by Marilyn Burns

ISBN: 978-0-941355-64-3

Grades 5–6 200 pages $37.95

In this book, Marilyn Burns tackles the topic of how to teach students to multiply and divide fractions—and understand what they are doing. Students build conceptual understanding as they develop proficiency. Teachers using these activities have reported that for the first time, they themselves understand the underlying rationale, and how to teach it, for how we multiply and divide fractions and mixed numbers.

Teaching Number Sense, Kindergarten

by Chris Confer

ISBN: 978-0-941355-58-2

Grade K 152 pages $32.95

Teaching Number Sense, Kindergarten is one of a three-book series that focuses on the critical role that number sense plays in developing mathematical understanding. Number sense encompasses a wide range of abilities, including being able to make reasonable estimates and to think and reason flexibly. The lessons in the Kindergarten book help students develop good number intuition and the ability to see numbers as tools, not barriers. In these lessons, children investigate number relationships, practice problem solving using landmark numbers, and explore ways to count, compose, and decompose numbers.

Teaching Number Sense, Grade 1

by Chris Confer

ISBN: 978-0-941355-59-9
Grade 1 160 pages $32.95
Teaching Number Sense, Grade 1 is one of a three-book series that focuses on the critical role that number sense plays in developing mathematical understanding. Number sense encompasses a wide range of abilities, including being able to make reasonable estimates and to think and reason flexibly. In these lessons, children build their understanding of counting, number relationships, and landmark numbers. They also develop computation strategies, further their understanding of composing and decomposing numbers, and develop a beginning sense of place value.

Teaching Number Sense, Grade 2
by Susan Scharton
ISBN: 978-0-941355-60-5
Grade 2 200 pages $32.95
Teaching Number Sense, Grade 2 is one of a three-book series that focuses on the critical role that number sense plays in developing mathematical understanding. Number sense encompasses a wide range of abilities, including being able to make reasonable estimates and to think and reason flexibly. In these lessons, children compose and decompose larger numbers, develop their computation strategies, strengthen their sense of place value, and sharpen their estimation skills.

Teaching Preschool and Kindergarten Math: More Than 175 Ideas, Lessons, and Videos for Building Foundations in Math, PreK-K
Ann Carlyle and Brenda Mercado
ISBN: 978-1-935099-44-4
Grades PreK-K 368 Pages $69.95

Through an exciting multimedia format, *Teaching Preschool and Kindergarten Math* takes you into an early childhood classroom for a **seeing is believing** look at how to create a **focused, successful mathematics program** while simultaneously deepening your knowledge of the mathematical ideas that need to be developed at an early age. You'll find:

- 26 video segments filmed in an actual classroom;
- more than 150 lessons and investigations;
- dozens of ideas for encouraging and supporting math talk with young children;
- numerous formative assessment recommendations including videos of one-on-one interviews;
- research-based strategies and insights to student misconceptions;
- reproducibles **(downloads provided upon purchasing this resource),** and more.

This Is Only a Test: Teaching for Mathematical Understanding in an Age of Standardized Testing
by Nancy Litton and Maryann Wickett
ISBN: 978-0-941355-87-2
Grades 2–5 128 pages $26.95

Transform teachers' and students' feelings toward standardized tests from panic and anxiety to control and confidence. This book offer an abundance of strategies for helping students perform well on standardized tests without compromising teachers' basic beliefs about how children learn. Create a yearlong plan for teaching math while simultaneously ensuring state standards are met; examine the relationship between released test items and the knowledge and skills students need to respond correctly; and discover ways to handle test preparation during the weeks before a test.

Why Can't I Have Everything? Teaching Today's Children to Be Financially and Mathematically Savvy, Grades PreK-2

In today's financial climate, it's more crucial than ever to equip children with monetary and economic sense. This resource for grades preK–2 is a must-have for parents and teachers. It provides more than 40 activity-rich lessons to help children be financially and mathematically savvy at a young age. The lessons include literature connections, corresponding assessments, games, suggestions for differentiating instruction, ideas for parents, and alignments to the Common Core State Standards.

Jane Crawford

ISBN: 978-1-935099-25-3

Grades PreK-2 272 Pages Price: $35.95

Writing in Math Class: A Resource for Grades 2–8

by Marilyn Burns

ISBN: 978-0-941355-13-1

Grades 2–8 208 pages $34.95

How can writing help students think more deeply and clearly about mathematical ideas? Marilyn Burns shares numerous examples illustrating how students sort, clarify, and define their thinking through different types of writing—journal writing, solving math problems, explaining mathematical ideas, and linking creative writing to math. Includes assessment strategies, answers to frequently asked questions, and samples of authentic student work.