

# Math Books

Compiled by Sheila Kirven

## GENERAL

Ball, Johnny	Go Figure Celebrating women in Mathematics and Science	Juv.510.B187g Juv.509.2.C392
Dobson, Christina Frederick, Shane	Pizza Counting Hockey: The Math of the game (Geometry, percentages, fractions, statistics)	Juv.513.2.D635 Juv.7986.96.F852h
Franco, Betsy	Mathematickles (A collection of poems written in the form of mathematical problems and grouped according to seasonal themes)	Juv.811.54.F825m
Harris, Trudy Holub, Joan Kline, Suzy	100 Days of School Apple countdown Horrible Harry Cracks the Code (Fibonacci sequence)	Juv.513.2.H3160 Juv.H7589a Juv.K655hc
Leedy, Loreen Markel, Michelle McCallum, Ann	Missing Math: A Number Mystery Tyrannosaurus Math Eat Your Math Homework: recipes for Hungry Minds (Fibonacci snack sticks -- Triangular number cake -- Fraction chips -- Tessellating brownies -- Milk and tangram cookies -- Variable pizza Pi -- Probability trail mix --)	Juv.L48m Juv.513.M345t Juv.641.5.M122e
McGrath, Barbara B McGrath, Barbara B	Teddy Bear Math Teddy Bear, Teddy Bear, School Day Math	Juv.513.2.M146t Juv.513.2.M146ts
Medearis, Angela Shelf Miranda, Anne Murray, Stuart A.P. Murray, Stuart A.P. Murray, Stuart A.P. Murphy, Stuart J. Nagda, Ann Whitehead Pallotta, Jerry Biedrzycki, David Pallotta, Jerry Bersani, Shennen Remkiewicz, Frank Rooney, Anne Rooney, Anne Rooney, Anne Rooney, Anne Schwartz, David M Tang, Greg	The 100th day of school Monster Math Score with basketball math Score with race car math Score with track and field math 100 Days of Cool Panda Math Underwater Counting: Even Numbers  Ocean Counting: Odd Numbers  Arithme-tickle: Even Number of Odd Riddle Rhymes Math journey through the animal kingdom Math journey through the human body Math journey through planet Earth Math journey through Space G is for Googol: A math Alphabet book Best of Times: Math Strategies That Multiply	Juv. M484O Juv. M672m Juv.796.32.M984s Juv.796.72.M984s Juv.796.01.M984s Juv.M9787o Juv.513.212.N147p Juv.513.2.P1685u  Juv.513.2.P1685o  Juv. 513.L674a 2002 Juv.510.R777ma Juv. 510.R777mh Juv.510.R777me Juv. 510.R777ms Juv. 510.S399G 1998 Juv. 511.23.T164b 2002

Tang, Greg	The Grapes of Math	Juv.513.T164m 2002
Tang, Greg	Math Appeal	Juv.510.T164ma
Tang, Greg	Math Fables: Lessons that Count	juv.513.211.T164m
Tang, Greg	Math for All Seasons	Juv. 513.T164m 2002
Tang, Greg	Math Potatoes: Mind Stretching Brain Food	Juv. 510.T164m
Tang, Greg	Math-terpieces	Juv.510.T164m z
Wells, Rosemary	Emily's First 100 Days of School	Juv. W4557e
Zaslavsky, Claudia	More Math Games and Activities from around the world	Juv. 793.7.Z37m 2003

	<u><i>Big Books</i></u>	
Osborne, Jennifer	Fact Families	Juv.511.2.O81f

	<b>MIDDLE/SECONDARY</b>	
Mc Kellar, Danica	Math Doesn't Suck: How to survive middle school Math without losing your mind or breaking a nail	juv.510.M154m
Rooney, Anne	Math journey through the animal kingdom	Juv.510.R777ma
Rooney, Anne	Math journey through the human body	Juv. 510.R777mh
Rooney, Anne	Math journey through planet Earth	Juv.510.R77me
Rooney, Anne	Math journey through Space	Juv. 510.R777ms

#### **ADDITION**

Aboff, Marcie	Lemonade Standoff	Juv.A.1545l
	(Two digit addition without regrouping)	
deRubertis, Barbara	Deena's lucky penny	Juv.D4387d
Hall, Alvin D	Show	
Long, Ethan	Wing Wing Brothers Math spectacular	Juv. 372.7.L848w
Loughran, Donna	Picnic fun: Hot dog operations	Juv. 513.21.L887p
Murphy, Patricia J	Adding puppies and kittens	Juv. 513.2 .M978a
Rand, Ann	Little 1	Juv. R186L
Steffora, Tracey	Using Addition at Home	Juv.513.1.S817ua

	<u><i>Big Book</i></u>	
Nayer, Judy	More or Less	Juv. 511.N331m
Osborne, J. E.	What is Place Value?	Juv.513.O81w

#### **ALGEBRA**

Adler, David A	Mystery Math: A First Book of Algebra	Juv.512.A237m
Rosenthal, Amy Krouse	This plus that: Life's little equations	Juv.R8157t

	<b>MIDDLE SCHOOL/SECONDARY</b>	
Caron, Lucille	Pre-Algebra and Algebra smarts	Juv.512.9.C293p
Green, Dan	Algebra & Geometry anything but square	Juv. 512.G795a
McKellar, Danica	Hot X: Algebra Exposed!	Juv. 512.M154h
Mc Kellar, Danica	Kiss my Math: Showing pre-Algebra who's boss	Juv. 512.M154k
Mariconda, Barbara	Ten for Me	Juv.513.2.M333t
Perritano, John	Science Olympiad: Proportions and ratios	Juv. 513.24.B897s
Wingard-Nelson, R.	Pre-Algebra and Algebra: Ace your math test	Juv.512.W769p

#### **DECIMALS**

Adler, David A.	Fractions, decimals, and percents	Juv. 513.26 .A237fb
Perritano, John	Save now, buy later: Finding unit prices	Juv. 513.2.B897s
Piddock, Claire	Decimals	Juv.513.2.P612d

MIDDLE/SECONDARY		
Caron, Lucille Perritano, John	Fraction and Decimal smarts Stir it up: Mixing decimals	Juv.513.26.C293f Juv.513.21.B897s
DIVISION		
Hutchins, Pat	The doorbell rang (dividing a dozen cookies)	Juv.H974do
Long, Lynette	Dazzling Division: Games and Activities that Make Math Easy and Fun	Juv.372.2.L848d 2000
Nagda, Ann Whitehead	Cheetah Math: Learning About Division from baby Cheetahs	Juv.513.21.N147c
Penner, Lucille Recht	Clean-Sweep Campers	Juv. P4125c
Perritano, John	Mummies in the Library: Divide the pages	Juv.513.21.P458m
Thielbar, Melinda	Fishy Fountain: a Mystery with Multiplication and Division	Juv. T4313f
<u>Big Book</u>		
Hutchins, Pat	The doorbell rang (dividing a dozen cookies)	Juv.H974do
MIDDLE/SECONDARY		
Brunner-Jass, Renata	Save now, buy later: finding unit prices	Juv.513.2 . B897s
ESTIMATION		
Cobb, Annie	Long Wait	Juv.C6531L
Dowdy, Penny	Estimation	Juv.519.5.D745e
Goldstone, Bruce	Great Estimations	Juv.519.5.G624g
Goldstone, Bruce	Greater Estimations	Juv.519.7.G624gr
<u>Big Book</u>		
Osborne, J.E.	Give It a Guess	Juv.519.54.O81g
FRACTIONS		
Aboff, Marcie	Pizza Palace	Juv.A1545p
Adler, David	Fractions, decimals and Percents	Juv.513.26.A237fb
Adler, David A.	Working With Fractions	Juv.513.26.A237w
Currey, Anna	Wishing Club: A Story About Fractions	Juv.N195w
Dennis, J. Richard	Fractions are parts of things	Juv. 513 .D411F
Dobson, Christina	Pizza counting	Juv.513.2.D635
Dodds, Dayle Ann	Full House: An invitation to fractions	Juv.D642f
Gifford, Scott	Piece=Part=Portion, Fractions=Decimals=Percents/ Pedazo=Parte=Porcion/Fracciones=Decimales=Porcentajes	Juv.513.26.G458p
Loughran, Donna	Tending the tide pool: The parts make the whole	Juv.513.24.L887t
McMillan, Bruce	Eating fractions	Juv. 513.26 .M167e
McCallum, Ann	Eat Your Math Homework: recipes for Hungry Minds (Fraction chips)	Juv.641.5.M122e
Nagda, Ann Whitehead and Biskel, Cindy	Polar Bear Math: Learning about fractions with Klondike And Snow	Juv.513.46.N147p
Pallotta, Jerry	Apple Fractions	Juv.513.2.P1685a
Pallotta, Jerry and Bolster, Rob	Hershey's Milk Chocolate Fractions Book	Juv. 513.2.P1685h
Thielbar, Melinda	Ancient Formula: a Mystery with Fractions	Juv. T4313f

Gold, Kari Jenson	<u>Big Book</u> Parts of a Whole	Juv.510.7.G618p
-------------------	-------------------------------------	-----------------

MIDDLE/SECONDARY

Brunner-Jass, Renata Caron, Lucille	Garden club: Operations with fractions Fraction and Decimal smarts	Juv.513.26.B897g Juv.513.26.C293f
--	---	--------------------------------------

GEOMETRY (AND SHAPES)

Adler, David A	Perimeter, Area, and Volume: A monster book of dimensions	Juv.516.15.A2237p
Becker, Helaine	Counting on Katherine; How Katherine Johnson saved Apollo13	Juv.925.1.J677b
Boldt, Mike	Colors versus shapes	Juv.B6876c
Brunner-Jass, Renata	Year at the Fairgrounds: Finding volume	Juv.530.8.B897y
Bryant, Megan E.	Shape Spotters	Juv.B9155s
Chernesky, Felicia	Pick a circle, gather squares: A fall harvest of shapes	Juv.C5216p
Cohen, Marina	3-D shapes	Juv. 516.15.C678t
Emberley, Ed	The wing on a flea; a book about shapes	Juv. E534w
Frasier, Debra	A Birthday Cake is no Ordinary Cake (days of the year, months, etc.)	Juv.F841b
Friedman, Mel	Kitten castle	Juv.F9116k
Gonzalez, Xelena	All Around Us (Circles in nature, life, ecology described by a grandfather to his granddaughter.)	Juv. G6438a
Hoban, Tana	Circles, triangles, and squares	Juv. 516 .H681c
Hoban, Tana	Shapes and things	Juv. 779 H681s
Holm, Jennifer L & Holm, Mathhew	Babymouse, Dragonslayer	Juv.H747bd
Khan, Hena	Crescent Moons and Pointed Minarets: A Muslim book of shapes	Juv.K451c
Law, Felicia & Way, Steve	Crocodile teeth: Geometric Shapes in Action (Mandrill Math Mysteries-graphic novels for older readers)	Juv.L4152ct
Loughran, Donna	Look for them: Where are the shapes	Juv.513.2.L887h
Loughran, Donna	Ship shape: Making shapes fly	Juv. 516.23.L887s
Marmada, Mineko	Which one is round? Which One is Bigger?	Juv.516.15.M263w
McCallum, Ann	Eat Your Math Homework: recipes for Hungry Minds (Triangular number cake)	Juv.641.5.M122e
Neuschwander, Cindy	Mummy Math: Adventures in Geometry	Juv. 516.N495m
Neuschwander, Cindy	Sir Cumference and the Dragon of Pi	Juv.516.15.N495sd
Neuschwander, Cindy	Sir Cumference and the First Round Table	Juv.516.N495s
Neuschwander, Cindy	Sir Cumference and the Great Knight of Angleland	Juv.516.15.N495sgk
Neuschwander, Cindy	Sir Cumference and the Isle of Immeter	Juv.516.N495si
Neuschwander, Cindy	Sir Cumference and the Sword in the Cone	Juv.516.15.N495ss
Onyefulu, Ifeoma	A Triangle for Adora: An African Book of Shapes	Juv. 516.O595t
Perritano, John	Toy store summer: Finding area	Juv.516.15.P458t
Reisberg, Joanne	Zachary Zormer, shape transformer	Juv.516.15.R375z
Ross, Kathy	Crafts Triangles, rectangles, Circles and Squares	Juv. 745.5.R824k
Schachner, Judy	Skippyjon Jones Shape up	Juv.S291ss
Sidman, Joyce	Swirl by swirl: Spirals in nature	Juv.811.54.S568sb
Thielbar, Melinda	Book Bandit: A Mystery with Geometry	Juv.T4313b
Thong, Roseanne	Round is a Mooncake: A Book of Shapes	Juv. T4868r
Thong, Roseanne G.	Round is a Tortilla: A book of shapes	Juv.T4868r
Wallace, Nancy Elizabeth	Look! Look! Look (shapes, color, lines and patterns in a work of art.)	Juv.W1925L

Walsh, Ellen Stoll	Mouse Shapes	Juv.W223ms
--------------------	--------------	------------

#### MIDDLE/SECONDARY

Adamson, Thomas K	Basketball: The Math of the game (physics and geometry, ratios, percentages, mean median mode ,positive and negative numbers)	Juv. 796.32.A221b
Frederick, Shane	Football: The Math of the game (geometry, percentages, mean, median mode ,positive and negative numbers)	Juv.796.33.F852f
Frederick, Shane	Hockey: The Math of the game (geometry, percentages, fractions, statistics, mean , median, mode)	Juv.7986.96.F852h
Green, Dan	Algebra & Geometry anything but square	Juv. 512.G795a
Mc Kellar, Danica	Girls get curves: Geometry takes shape	Juv. 516.M154g
Perritano, John	Start the game: geometry in sports	Juv.516.15.P458s

#### GRAPHS AND DATA

Bodach, Vijaya Khisty	Bar Graphs	Juv.372.7.B666b
Bodach, Vijaya Khisty	Pictographs	Juv.372.7.B666p
Bodach, Vijaya Khisty	Pie Graphs	Juv.372.7.B666pi
Bodach, Vijaya Khisty	Tally Charts	Juv.372.7.B666t
Dowdy, Penny	Graphing	Juv.518.23.D745g
Dussling, Jennifer	Fair is Fair (bar graphs)	Juv.D974f
Harris, Trudy	Tally cat Keeps Track (tally charts)	Juv.H3166t
Loughran, Donna	Toy Tally: How many toys are there?	Juv. 513.21.L887t
Murphy, Stuart J.	Less Than Zero (line graphs)	Juv. M9787L
Murphy, Stuart J.	Tally O'Malley (tally charts)	Juv. M9787t

#### MIDDLE/SECONDARY

Adamson, Thomas K	Basketball: the Math of the game (physics and geometry, ratios, percentages, mean, median, mode ,positive and negative numbers mean median mode ,positive and negative numbers)	Juv. 796.32.A221b
Brunner-Jass, Renata	Finding the treasure: coordinate grids	Juv.519.5.B897f
Brunner-Jass, Renata	Hidden ducks: Describing and interpreting data	Juv.511.3.B897h
Frederick, Shane	Football: The Math of the game (geometry, percentages, mean median mode ,positive and negative numbers)	Juv.796.33.F852f
Perritano, John	Football numbers: Graphing data	Juv.519.5.P458f
Wingard-Nelson, R.	Data Graphing and statistics smarts	Juv.519.5.W769d

#### MANIPULATIVES

McGrath, Barbara B	Teddy Bear Math	Juv.513.2.M146t
McGrath, Barbara B	Teddy Bear, Teddy Bear, School Day Math	Juv.513.2.M146ts

#### MEASUREMENT

Aboff, Marcie	Tallest Snowman	Juv.A1545t
Adamson, Thomas K and Adamson, Heather	How do you measure length and distance?	Juv. 530.81.A221hL
Adamson, Thomas K and Adamson, Heather	How do you measure liquids?	Juv. 530.81.A221h
Adamson, Thomas K	How do you measure weight?	Juv. 530.81.A221h

and Adamson, Heather Adler, David A	Perimeter, Area, and Volume: A monster book of dimensions	Juv.516.15.A2237p
Bodach, Vijaya Khisty Challen, Paul Conaway, Judith	Measuring Metric system Discovery Book of Size	Juv.530.8.B666m Juv.530.81.C4737m Juv.152.7.C743ds
deRubertis, Barbara Daemiche, Songju Ma Gilleo, Alma Gilleo, Alma Gilleo, Alma Gilleo, Alma Law, Felicia & Way, Steve Leedy, Loreen	Lulu's Lemonade Cao Chong weighs an elephant About Liters ((A Metric Book) About meters ((A Metric Book) About the metric system (A Metric Book) About the thermometer ((A Metric Book) Mirage in the Mist: Measurement in Action (Mandrill Math Mysteries-graphic novels for older readers) Measuring Penny (Using standard and non-standard units for measurement.)	Juv.D4387L Juv.D123c Juv. 511G4776aL Juv. 11G4776am Juv. 511G4776at Juv. 511G4776att Juv.L4152m Juv.L484mp
Lockyer, John Markle, Sandra McCallum, Ann Miura, Taro Murphy, Stuart J.	Measuring AND Sharks How Many baby Pandas? Beanstalk: The Measure of a Giant Ton Polly's pen pal (metric system)	Juv. 597.3.L818m Juv.599.78.M346h Juv.M1222 Juv.530.8.M685t Juv. M9787pp
Steffora, Tracey Schwartz, David M Thielbar, Melinda	Measuring in the Garden Millions to measure King Fu Puzzle: A Mystery with Time and Temperature	Juv.530.8.S817m Juv.530.8.S399m Juv. T4313k

### Big Book

Canizares, Susan And Chessen, Betsey	Science Tools	Juv. 502.8.C223s
Osborne, J. E.	Units of Measure	Juv.510.O81u

### *Middle School/Secondary*

Brunner-Jass, Renata Brunner-Jass, Renata Brunner-Jass, Renata Brunner-Jass, Renata Gardner, Robert Loughran, Donna Perritano, John	Designer digs: Finding area and surface area Field of play: Measuring distance, rate, and time Winning the game : putting miles in their place Year at the Fairgrounds: Finding volume Ace your Math and Measuring Science project Day at Mini-Golf: What's the length Looking for Blackbeard's treasure: Measuring the distance	Juv.516.15.B897d Juv.530.8.B897f Juv.513.5 .B897w Juv.530.8.B897y Juv.530.8.G228a Juv.530.8.L887d Juv.530.8.P458L
Perritano, John Perritano, John	Pools to Ponds: Area, perimeter and capacity Toy store summer: Finding area	Juv.30.8.P458p Juv.516.15.P458t

### **MONEY**

deRubertis, Barbara Hall, Alvin D Hoban, Tana Jenkins, Emily & Karas, G. Brian	Deena's lucky penny Show me the money 26 letters and 99 cents Lemonade in Winter: A story about two kids counting (A winter lemonade stand and a lesson in counting money and understanding profit.) Once Upon a dime (Development of a monetary system .graphic novel)	Juv.D4387d Juv. 332.02.H174s Juv. 421.1 .H681T Juv. J52Lw Juv.332.11.O5836
Ried, Margarette S.	Lots and lots of coins	Juv.737.4.R357L

Thielbar, Melinda	Hundred –Dollar Robber: A Mystery with Money (graphic novel)	Juv. T4313h
Osborne, Jennifer	<i>Big Book</i> Money Book	Juv.332.4.O81m

#### MIDDLE/SECONDARY

Once Upon a dime Juv.332.11.O5836 v. 1  
(Development of a monetary system .graphic novel. See Lesson Plans  
<https://www.newyorkfed.org/medialibrary/media/outreach-and-education/comic-books/NewYorkFed-OnceUponADime-MSLessonPlan.pdf>  
<https://www.newyorkfed.org/medialibrary/media/outreach-and-education/comic-books/NewYorkFed-OnceUponADime-HSLessonPlan.pdf> )

#### MULTIPLICATION

Calvert, Pam	Multiplying menace: The revenge of Rumpelstiltskin (multiplying by whole numbers, fractions and zero)	Juv.C1675m
Haskamp, Steve	Double Those Wheels	Juv.D274d
McNamara, Margaret	How Many Seeds in a Pumpkin? (probability, multiplication)	Juv.M1688h
Neuschwander, Cindy	Amanda Bean’s Amazing Dream (a little girl discovers the used of multiplication.)	Juv.N495a
Perritano, John	Mystery Beetle: What’s multiplying?	Juv.513.21.P458mb
Tang, Greg	Best of Times: Math Strategies That Multiply	Juv. 511.23.T164b 2002
Thielbar, Melinda	Fishy Fountain: a Mystery with Multiplication and Division (graphic novel)	Juv. T4313f
Trivett, John V	Building tables on tables; a book about Multiplication	Juv.511.23 .T841b

#### NUMBERS

Adler, David	Fun with Roman Numerals	Juv.513.5.A237f
Arvoy, Marsha and Nardi, Dorianne	Rounding	Juv.513.A795r
Baker, Keith	1-2-3- peas (1-10, then by tens to 100)	Juv.B1676o
Boldt, Mike	123 versus ABC	Juv.B6876o
Burg, Ann E.	Times Square: A New York State Number Book	Juv.974.7.B954t
Cleary, Brian P	Do you know Dewey?: Exploring the Dewey Decimal System (counting by hundreds)	Juv. 025.4.C623d
Dowdy, Penny	Place Value	Juv.513.5.D745p
Geisert, Arthur	Roman numerals I to MM = Numerabilia romana uno ad duo mila: liber de difficillimo computando numerum	Juv. 511.2 .G314R
Grice, Mary	One, two three, four: number rhymes and finger games	Juv.398.8.G846o 1971
Heligman, Deborah	Boy who loved math: Improbable life of Paul Erdos (introduces numbers, prime numbers, infinity, number theory while recounting the life of Paul Erdos.)	Juv.925.2.E66h
Hosford, Kate	Infinity and Me	Juv.H8254i
Krahn, Fernando	La Familia Numerozzi (ordinal numbers. Text in Spanish)	Juv.K894f
Law, Felicia & Way, Steve	Mystery of Nine: Number Place and Value in Action (Mandrill Math Mysteries-graphic novels for older readers)	Juv.L4152mn
Lazar, Tara	7 Ate 9: The Untold Story (When 7 is accused of eating 9, worried 6 hires a detective to investigate. Pun-filled numerical mystery story)	Juv. L4313s

Loughran, Donna	Herding a hundred: Counting the sheep	Juv.513.2.L887h
Loughran, Donna	On the playground: how do you build place value?	Juv. 519.5.L887o
Leedy, Loreen	Missing Math: A Number Mystery	Juv.L48m
LoPresti, Angeline S.	Place for Zero	Juv.513.L862p
Mariconda, Barbara	Ten for Me	Juv.513.2.M333t
Marzollo, Jean	Help Me Learn Numbers 0-20	Juv. 513.2.M393h
Medearis, Angela Shelf	The 100th day of school	Juv. M484O
Menotti, Andrea	How many jelly beans? : A giant book of giant numbers	Juv. 513.2.M547h
Murphy, Stuart J.	100 Days of Cool	Juv.M9787o
Pallotta, Jerry	Underwater Counting: Even Numbers	Juv.513.2.P1685u
Biedrzycki, David		
Pallotta, Jerry	Ocean Counting: Odd Numbers	Juv.513.2.P1685o
Bersani, Shennen		
Remkiewicz, Frank	Arithme-tickle: Even Number of Odd Riddle Rhymes	Juv. 513.L674a 2002
Schwartz, David M	On beyond a million: an amazing math journey	Juv. 511.1 .S399O
Thielbar, Melinda	Lost Key: A Mystery with Whole Numbers	Juv. T4313L
Wells, Robert E	Can you count to a Googol? (base 10 counting)	Juv. 513.2.W455h

### Big Book

Gold, Kari Jenson	Numbers Every Day	Juv.511.G618n
-------------------	-------------------	---------------

### MIDDLE/SECONDARY

Adamson, Thomas K	Basketball: the Math of the game (physics and geometry, ratios, percentages, mean median mode ,positive and negative numbers)	Juv. 796.32.A221b
-------------------	---	-------------------

### PATTERNS

Bluemel Oldfield, Dawn	Patterns at the Seashore	Juv.51615.B658p
Clark Sawyer, J.	Patterns in the City	Juv. 516.15.C595pc
Clark Sawyer, J.	Patterns in the park	Juv. 516.15pp
Clark Sawyer, J	Patterns in the snow	Juv. 516.15 ps
Marcovics, Joyce	Patterns in the desert	Juv.516.15.M346pd
Markovics, Joyce	Patterns in the jungle	Juv. 516.15.M346p
Neuschwander, Cindy	Patterns in Peru: An Adventure in Patterning	Juv.N495p
Steffora,Tracey	Patterns at the museum	Juv.152.14.S817p
Wallace, Nancy Elizabeth	Look! Look! Look (shapes, color, lines and patterns in a work of art.)	Juv.W1925L

### MIDDLE/SECONDARY

Bardoe, Cheryl	Nothing stopped Sophie: The story of the unshakable mathematician Sophie Germain (vibration patterns)	Juv.925.1.G372b
----------------	---	-----------------

Perritano, John	Seeing halves: Symmetry in our world	Juv. 516.1.P458s
-----------------	--------------------------------------	------------------

### PERCENTAGES

Gifford, Scott	Piece=Part=Portion, Fractions=Decimals=Percents/ Pedazo=Parte=Porcion/Fracciones=Decimales=Porcentajes	Juv.513.26.G458p
Pallotta, Jerry	Twizzlers Percentages Book	Juv. 513.2.P1685t

### MIDDLE/SECONDARY



Adamson, Thomas K	Basketball: the Math of the game (physics and geometry, ratios, percentages, mean median mode ,positive and negative numbers)	Juv. 796.32.A221b
Frederick, Shane	Football: The Math of the game (geometry, percentages, mean median mode ,positive and negative numbers)	Juv.796.33.F852f

#### PERMUTATIONS

Shiga, Jason	Meanwhile: Pick a path: 3,856possibilities	Juv.S5556m
--------------	--	------------

#### PLACE VALUE

Brunner-Jass, Renata	Winning the game: putting miles in their place	Juv.513.5.B897w
Dowdy, Penny	Place Value	Juv.513.5.D745p
Law, Felicia & Way, Steve	Mystery of Nine: Number Place and Value in Action (Mandrill Math Mysteries-graphic novels for older readers)	Juv.L4152mn
Loughran, Donna	On the playground: how do you build place value?	Juv. 519.5.L887o

#### RATIOS

Brunner-Jass, Renata	Science olympiad : proportions and ratios	Juv.513.24
----------------------	---	------------

#### SEQUENCING

Christian, Cheryl	What happens next?/Y ahora, Que pasara? (Flap book of several sequencing/prediction events)	Juv. C5554w
Law, Felicia & Way, Steve	Castaway Code: Sequencing in Action (Mandrill Math Mysteries-graphic novels for older readers)	Juv.L4152ct
Murphy, Stuart J.	Freda Plans a Picnic	Juv.M89787f
Seeger, Laura Vaccaro	What If?	Juv.S4516wi

#### SORTING

Harvey, Jayne	Cat Show	Juv.H3417c
Law, Felicia & Way, Steve	Storm at sea: Sorting, Mapping and Grids in Action (Mandrill Math Mysteries-graphic novels for older readers)	Juv.L4152s
Lowery, Lawrence P.	Spenser and the Rocks	Juv.552.L917s
Mariconda, Barbara	Sort it out!	Juv.M333s
Mariconda, Barbara	Classificalo!	Juv. M333ss
Steffora,Tracey	Sorting at the Market	Juv.511.3.S817e

#### Big Book

Gold, Kari Jenson	Sort It Out	Juv.511.32.G618s
-------------------	-------------	------------------

#### STATISTICS

Jenkins, Emily	Five Creatures (Interesting statistics about a family's activities.)	Juv.J52f
----------------	---	----------

#### MIDDLE/SECONDARY

Adamson, Thomas K	Basketball: the Math of the game (physics and geometry, ratios, percentages, mean, median, mode ,positive and negative numbers mean median mode ,positive and negative numbers)	Juv. 796.32.A221b
Frederick, Shane	Football: The Math of the game (geometry, percentages, mean median mode ,positive and negative numbers)	Juv.796.33.F852f

## SUBTRACTION

Aboff, Marcie	Mike's Mystery (Two digit-subtraction without regrouping)	Juv.A1545m
Bentley, Dawn	Good night, sweet butterflies: a color dreamland	Juv. B477
Duke, Kate	Twenty is too many	Juv. D877T
Litwin, Eric	Pete the Cat and his four groovy buttons	Juv.L7827p
Long, Ethan	Wing Wing Brothers Math spectacular	Juv. 372.7.L848w
Loughran, Donna	Picnic fun: Hot dog operations	Juv. 513.21.L887p
Murphy, Stuart J.	Elevator magic	Juv. 513.2.M9787em
Murphy, Patricia J.	Subtracting puppies and kittens	Juv. 513.2 .M978s
Nagda, Ann Whitehead	Panda math: learning about subtraction from Hua Mei and Mei Sheng	Juv. 513.212 .N147p
Steffora, Tracey	Using Subtraction at Home	Juv. 5`3.2.S817u
Stickland, Paul	Ten terrible dinosaurs	Juv.S854T
Toft, Kim Michelle and Sheather, Allen	One less fish	Juv.513.2.T6440

### Big Book

Nayer, Judy	More or Less	Juv. 511.N331m
-------------	--------------	----------------

## TIME

Carle, Eric	A House for Hermit Crab (months of the year)	Juv.C278h
Conaway, Judith	Discovery Book of Time	Juv.152.7.C573dt
Frasier, Debra	A Birthday Cake is no Ordinary Cake (Days of the year, months, etc.)	Juv.F841b
Jenkins, Emily	Water in the park: a book about water and times of the day	Juv.J52wp
Loughran, Donna	Time ticks by: How do you read a clock?	Juv.529.L887t
Omololu, Cynthia James	When It's Six O' Clock in San Francisco: A Trip Through Time Zones	Juv.O566w
Pinto, Sara	Clockwise: a Time-Telling Tale	Juv.P6597c
Richards, Kitty	It's about time, Max!	Juv. R5165i
Rocco, John	Blizzard ( The day-by-day effects of a blizzard on a little boy's family.)	Juv.R6715bL
Sierra, Judy	What Time is It, Mr. Crocodile?	Juv. S5825wt
Steffora, Tracey	Days of the Week	Juv.529.1.S817d
Steffora, Tracey	Hours, Minutes, and seconds	Juv.529.7.S817h
Steffora, Tracey	Months of the Year	Juv.529.2.S817m
Steffora, Tracey	Seasons of the Year	Juv.508.2.S827s
Steffora, Tracey	Times of the Day	Juv.529.1.S817t
Weatherford, Carole B.	Freedom in Congo Square (Counts down the days of the week to Sunday, where free and enslaved Africans could celebrate on Sunday afternoons in Congo Square in New Orleans.)	juv.976.335.W362f
Young, Ed	Seven blind mice	Juv. 398.21 .Y71S

### Big Book

Gold, Kari Jenson	It's Time	Juv.529.G618i
-------------------	-----------	---------------

## MIDDLE/SECONDARY SCHOOL

Perritano, John	Space adventures: where does the time go?	Juv.529.P458s
-----------------	---	---------------

## WORD PROBLEMS/ PROBLEM SOLVING

Dee, Ruby	Two ways to count to ten: A Liberian folktale	Juv.398.2.D311t
deRubertis, Barbara	Count on Pablo	Juv.D4387c
Franco, Betsy	Mathematickles (A collection of poems written in the form of mathematical problems and grouped according to seasonal themes)	Juv.811.54.F825m
Markel, Michelle	Tyrannosaurus Math	Juv.513.M345t
Murray, Stuart A.P.	Score with basketball math	Juv.796.32.M984s
Murray, Stuart A.P.	Score with race car math	Juv.796.72.M984s
Murray, Stuart A.P.	Score with track and field math	Juv.796.01.M984s
Overdeck, Laura	Bedtime Math (word problems for K-6+ on the following topics: food, animals, transportation, sports and occupations.)	Juv. 513.2.O963b
Overdeck, Laura	Bedtime Math: This time it's personal (word problems for K-6+ about the human body.)	Juv.513.2.O963b 2014
Simhaee, Rebeka	Sara Finds a Mitzva	Juv.S5898s

### *Graphic Novels*

Coudray, Philippe	Benjamin Bear in Bright Ideas (One page vignettes in which Benjamin Bear comes up with inventive solutions to the tasks and situations in his life. Downloadable CCCS lesson plan and activity at <a href="http://www.toon-books.com/benjamin-bear-in-bright-ideas.html">http://www.toon-books.com/benjamin-bear-in-bright-ideas.html</a> )	Juv. C8545bb
Coudray, Philippe	Benjamin Bear in Fuzzy Thinking (One page vignettes in which Benjamin Bear comes up with inventive solutions to the tasks and situations in his life. Downloadable CCCS lesson plan and activity at <a href="http://www.toon-books.com/benjamin-bear-in-fuzzy-thinking.html">http://www.toon-books.com/benjamin-bear-in-fuzzy-thinking.html</a> )	Juv.C8545bf

## MIDDLE/SECONDARY

Murray, Stuart A.P.	Score with Soccer Math	Juv. 796.33.M984s
Wingard-Nelson, R.	Problem solving and word problem smarts	Juv.512.W769p

## TEACHER MATERIALS:

### GENERAL

CMC QA13.R4768 2009	Resources for Teaching Discrete Mathematics: Classroom Projects, History, Modules, and Articles
QA20.G35.H43 2013 (Circulating Collection)	Teach Math with the Wii: Engage your K-7 students through gaming technology

### PRE-KINDERGARTEN

#### *Manipulatives and Blocks*

CMC LB1043.D73 2008	Attribute Block Thinking Activities: Analogies
CMC LB1590.3.B47 2008	Blocks to robots: Learning with technology in the Early Childhood classroom
CMC QA 19.C8.D4	Idea Book for Cuisenaire Rods- Grades PreK-2
CMC QA 19.C8.M37 2002	Cuisenaire Rods Alphabet Book
CMC QA 19.C8.D4	Idea Book for Cuisenaire Rods- Grades PreK-2

CMC QA 19.C8.M37 2002	Cuisenaire Rods Alphabet Book
CMC QA40.5.C625 1997	Family Math for Young Children
CMC QA40.5.F36 2003	Family Math II
CMC QA63.H913b 1991	200 Things to Do with Logic Blocks
CMC QA115.S74 2011	Multiply and Divide with Sticks and Steps (manipulatives)
CMC QA 135.53.S57 2011	Number sense routines: Building Numerical Literacy every day in Grades K-3
CMCQA135.6 .H36 2006	Hands-on standards: photo-illustrated lessons for teaching with math manipulatives
CMC QA135.5.L426 1995	Enrichment Units in Math (Attribute Blocks, Tangrams, Sets and Venn Diagrams, Ancient Egyptian Numbers)
CMC QA135.6 .S56 2001	Math, Manipulatives, and Magic Wands: Manipulatives, Literature Ideas, and Hands-On Math Activities for the K-5 Classroom

#### *Other*

CMC QA19.A78.H65 2011	Object Lessons: Teaching Math through the Visual Arts, K-5
CMC QA19.P5.H87 1996	Picturing Math: Prekindergarten through Second Grade: Using picture Books in the math Curriculum
QA20.G35.H43 2013	Teach Math with the Wii: Engage your K-7 students through gaming technology
<b>(Circulating Collection)</b>	
CMC QA20.I53.S76 2012	Count Me In! K-5: Introducing Learners with Special Needs in Mathematics Classrooms
CMC QA135.5.F73 2000	Math in Motion: Wiggle, Gallop and Leap with Numbers
CMC QA135.5.P42 1997	Math in Motion: Origami in the Classroom
CMC QA135.53.S57 2011	Number Sense Routines: Building Numerical Literacy Every Day in Grades K-3
CMC QA135.6.T36 2012	Solving for Why: Understanding, Assessing, and Teaching Students who struggle with Math, K-8

### ELEMENTARY

#### *General*

CMC QA135.5 .H438 1997	The elementary math teacher's book of lists: with ready-to-use patterns and worksheets
CMC QA135.6.D486 2009	Developing Primary Mathematics Teaching
CMC QA 135.6.S55 2012	Math Tools: Grades 3-12: 60+ ways to build mathematical practices, differentiate instruction and increase student engagement, grades 3-12
CMC QA 141.P275 2011	Teaching Numeracy: 9 critical habits to ignite mathematical thinking
CMC QA 230.I53.S63 2009	Good Questions: Great Ways to Differentiate Mathematics Instruction
CMC QA135.6.T36 2012	Solving for Why: Understanding, Assessing, and Teaching Students who struggle with Math, K-8
CMC QA139.M6172 1999	The Math of Food

#### *Manipulatives and Blocks*

CMC QA 19.C8.D56 2002	Idea Book for Cuisenaire Rods- Grades 3-5
CMC QA115.S74 2011	Multiply and Divide with Sticks and Steps (manipulatives)
CMCQA135.6 .H36 2006	Hands-on standards: photo-illustrated lessons for teaching with math manipulatives
CMC QA135.5.L426 1995	Enrichment Units in Math (Attribute Blocks, Tangrams, Sets and Venn Diagrams, Ancient Egyptian Numbers)
CMC QA135.6 .S56 2001	Math, manipulatives, and magic wands: manipulatives, literature ideas, and hands-on math activities for the K-5 classroom

#### *Math and Art*

CMC QA19.A78.H65 2011	Object Lessons: Teaching Math through the Visual Arts, K-5
CMC QA135.6.M5863 2008	Math Line Designs from Around the World: Grades 2-3
CMC QA135.6.M5863 2008	Math Line Designs From Around the World: Grades 4-6

#### *Math and English Language Arts*

CMC QA19.P5.H87 1996	Picturing Math: Prekindergarten through Second Grade: Using picture Books in the math Curriculum
CMC QA135.5.B839785 1995	Writing in Math Class: a resource for grades 2-8
CMC QA135.5.D43 1998	Write Mathematics: Multiple Intelligences & Cooperative Learning Writing Activities, Grades 4-9
CMC QA135.5.M453 1997	Write Starts: 101 Writing Prompts for Math
CMC QA135.6 .E84 2001	Math links: teaching the NCTM 2000 standards through children's literature

*Math and Games*

CMC QA109.M376 2000	The Math of Sports
CMC Z692.B63.M39 2010	Libraries got game: Aligned Learning through Board Games
QA20.G35.H43 2013	Teach Math with the Wii: Engage your K-7 students through gaming technology

**(Circulating Collection)**

*Patterns*

CMC QA135.5.S63 2003	Patterns in mathematics: Investigating Patterns in Number Relationships, Grades 3-6
----------------------	---

**MIDDLE**

*General*

CMC QA11.G37 1997	Middle school Math You Really Need
CMC QA230.I53.S63 2009	Good Questions: Great Ways to Differentiate Mathematics Instruction
CMC QA139.M6172 1999	The Math of Food
CMC QA135.6.T36 2012	Solving for Why: Understanding, Assessing, and Teaching Students who struggle with Math, K-8
CMC QA 141.P275 2011	Teaching Numeracy: 9 critical habits to ignite mathematical thinking
CMC QA159.J87 2013	Differentiating Instruction in Algebra 1: Ready -to-use activities for all students, Grades 7-10 (includes Common Core State Standards Alignment)
CMC QA 135.6.S55 2012	Math Tools: Grades 3-12: 60+ ways to build mathematical practices, differentiate instruction and increase student engagement, grades 3-12

*Manipulatives*

CMC QA115.S74 2011	Multiply and Divide with Sticks and Steps (manipulatives)
CMC QA135.5.L426 1995	Enrichment Units in Math (Attribute Blocks, Tangrams, Sets and Venn Diagrams, Ancient Egyptian Numbers)

*Math and English Language Arts*

CMC QA135.5.D43 1998	Write Mathematics!: Multiple Intelligences & Cooperative Learning Writing Activities, Grades 4-9
----------------------	--

*Math and Games*

QA20.G35.H43 2013	Teach Math with the Wii: Engage your K-7 students through gaming technology
<b>(Circulating Collection)</b>	
CMC QA109.M376 2000	The Math of Sports

*Patterns*

CMC QA135.5.S63 2003	Patterns in mathematics: Investigating Patterns in Number Relationships, Grades 3-6
----------------------	---

**SECONDARY**

CMC PN1995.9.M395 P65 2012	Math goes to the movies (Math Goes to the Movies' is based on the authors' own collection of more than 700 mathematical movies and their many years using movie clips to inject moments of
----------------------------	---

fun into their courses. With more than 200 illustrations, many of them screenshots from the movies themselves, this book provides an inviting way to explore math, featuring such movies as: 'Good Will Hunting'; 'A Beautiful Mind'; 'Stand and Deliver'; 'Pi'; 'Die Hard'; and, 'The Mirror Has Two Faces'.)

CMC QA109.M376 2000  
CMC QA 135.6.S55 2012

The Math of Sports  
Math Tools: Grades 3-12: 60+ ways to build mathematical practices, differentiate instruction and increase student engagement, grades 3-12  
Teaching Numeracy: 9 critical habits to ignite mathematical thinking  
The Write Tool to Teach Algebra  
Algebra Out Loud: Learning Mathematics Through Reading and Writing Activities

## WEBSITES

### **K-12**

Khan Academy

<http://www.khanacademy.org/>

(With a library of over 4,200 videos on everything from arithmetic to physics, finance, and history and hundreds of skills to practice)

National Library of Virtual Manipulatives- (Utah State University)

<http://nlvm.usu.edu/en/nav/vlibrary.html>

Sing About Science & Math

<http://singaboutscience.org/wp/findandaddsongs/>

(Database of over 5,700 songs, some with videos and lyrics on math and science topics.

Some songs have fees and the quality varies of variable quality.)

### **Elementary/Middle**

Dr. Math

<http://mathforum.org/dr.math/>

Explanations of mathematical problems and processes, with links to other math sites

Math is Fun

<http://mathisfun.com/>

Interactive quizzes and demonstrations on K-8 math concepts

### **Secondary**

Dr. Math

<http://mathforum.org/dr.math/>

Explanations of mathematical problems and processes, with links to other math sites

Get the Math

<http://www.thirteen.org/get-the-math/>

(Designed to help students understand real-world applications of Algebra I.

Videos, educator resources, editable lesson plans aligned with Common Core Standards. )

Wolfram Math World

<http://mathworld.wolfram.com/>

(Secondary/high school)