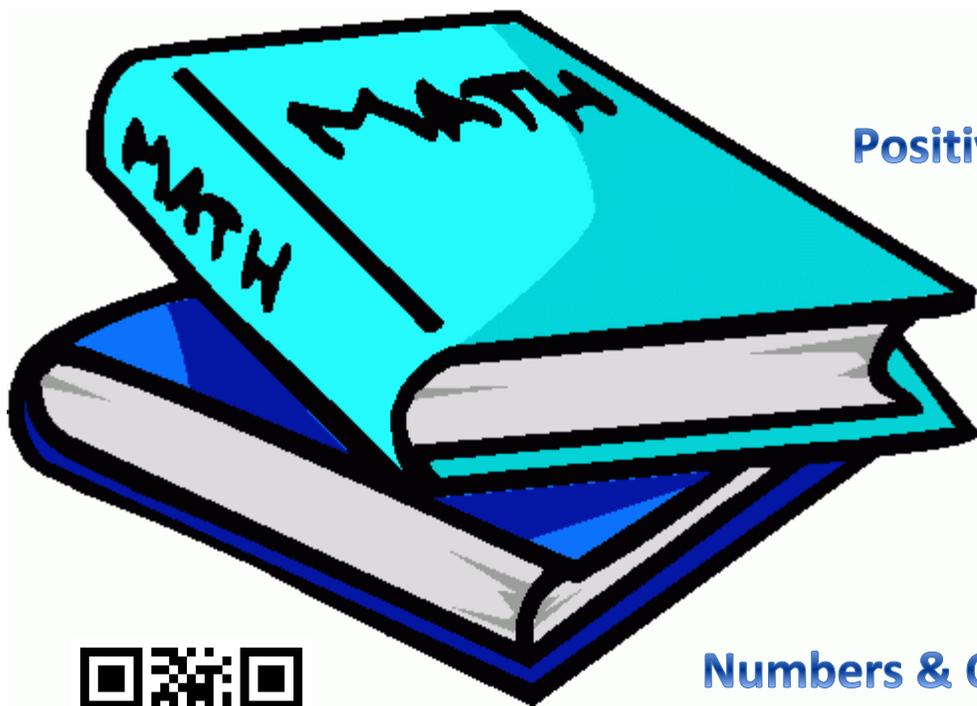


Number Sense

Wilmington Public
Schools Math Book
Recommendations
for Grades K to 5.

Operations & Algebraic Thinking

Numbers & Operations: Base 10



Positive & Negative Numbers

**Counting & Cardinality
for Kindergarten**

Numbers & Operations: Fractions



Counting and Cardinality for Kindergarten

The 100th Day of School

Abramovitz, Melissa

Text and photographs introduce young readers to celebrating the 100th day of school. RL 2.4

Available from other MVLC libraries.

20 Big Trucks in the Middle of the Street

Lee, Mark

Count the trucks getting stuck in a traffic jam. RL 1.5

Call Number: Picture Book Trucks Lee

Building Sets of Ten

Berry, Minta

Aakar and Miranda visit Grandma Sundara and through a game of jacks, a shopping trip, games, and more learn about sets of ten. Includes activities, photographs, and a glossary. RL 2.3

Available from other MVLC libraries.

Counting on Fall

Flatt, Lizann

Introduces basic math and number sense in poetic prose by observing the natural wonders of fall. RL 2.6

Available from other MVLC libraries.

Herding a Hundred: Counting the Sheep

Loughran, Donna

Mathematical concepts of counting, estimating, and greater than or less than are introduced as readers help a farmer herd his sheep. Readers learn to count using tally marks, hundred charts, and group counting. Includes a discover activity, science connection, and mathematical vocabulary introduction. RL 2.2

Available from other MVLC libraries.

Hopping on the Number Line

Allen, Nancy Kelly

Introduces early readers to the mathematical concept of number lines, explaining what they are and how they can be used for addition and subtraction. RL 1.5

Available from other MVLC libraries.

The House of 12 Bunnies

Stills, Caroline

In the house of twelve bunnies, Sophia searches on time on time. RL 3.2

Call Number: Picture Book Stills

How Much is a Million?

Schwartz, David M.

Marvelosissimo the Mathematical Magician helps children understand the concept of large numbers such as million, billion, and trillion through colorful illustrations of the stars and other things in space. RL 3

Call Number: Picture Book Schwartz

A Million Dots

Clements, Andrew

Illustrations and fun facts demonstrate what one million dots look like. RL 5

Available from other MVLC libraries.

One Tractor: A Counting Book

Siy, Alexandra

While one tractor sits on the grass, out of gas, increasing numbers of other vehicles, from two airplanes to ten bicycles, fill the backyard with adventure. RL 2.3

Available from other MVLC libraries.

One Two That's My Shoe!

Murray, Alison

Illustrations and rhyming text encourage the reader to count from one to ten when a mischievous puppy runs off with his owner's shoe. RL .5

Call Number: Picture Book 123 Murray

Tally Cat Keeps Track

Harris, Trudy

Alley cat Tally McNally loves to tally and loves to win but when his competitive streak gets him into trouble he has to rely on his friends for help. RL 1.8

Available from other MVLC libraries.

Counting and Cardinality for Kindergarten continued . . .

What Comes in Sets?

Berry, Minta

Photographs and text help young readers to understand the concepts of sets, bigger sets, comparing sets, and matching sets. RL 1.7

Available from other MVLC libraries.

What is 2?

Carroll, Molly

Simple images and text introduce toddlers to the number two.

Available from other MVLC libraries.

Zero is the Leaves on the Tree

Franco, Betsy

An illustrated introduction to zero as both a number and abstract idea that follows a group of children on a adventure in search of zero. RL 3.1

Call Number: Picture Book Franco

Numbers and Operations in Base 10

2, 4, Skip Count Some More

Adamson, Thomas K.

Uses simple text and photographs to explain skip counting. RL 2.1

Call Number: Kids 513.211 Adamson

Anno's Magic Seeds

Anno, Mitsumasa

The reader is asked to perform a series of mathematical operations integrated into the story of a lazy man who plants magic seeds and reaps an increasingly abundant harvest. RL 3.5

Call Number: Kids 513.4 Anno

Counting by Fives

Sarfatti, Esther

Simple text, colorful images, and repetition introduce young children to the concept of counting by fives. RL 1

Available from other MVLC libraries.

Counting by Threes

Sarfatti, Esther

Simple text and pictures present examples of items that come in threes, such as a tricycle's wheels. RL 1.1

Available from other MVLC libraries.

Counting by Twos

Sarfatti, Esther

Simple text and pictures teach the concept of "two," presenting examples of doubled items. RL 1.3

Available from other MVLC libraries.

A Dozen Cousins: Exploring the Number 12

Freeman, Marcia

Colorful photographs and simple text introduce young children to the mathematical concepts of comparing, adding to, taking away from, and parts of a whole, using the numbers one through twelve. RL 2.1

Available from other MVLC libraries.

Fun with Roman Numerals

Adler, David

An illustrated introduction to Roman numerals for young readers, and describes each symbol; and explains how to add, subtract, and read groups of Roman numeral symbols. RL 3.9

Call Number: Kids 513.5 Adler

Help Me Learn Addition

Marzollo, Jean

Photographs of puppets, animals, and other objects introduce the concept of addition. RL 1.3

Call Number: Kids 513.211 Marzollo

Help Me Learn Numbers 0-20

Marzollo, Jean

Color photographs and rhymes help children learn numbers from zero to twenty. RL 1.2

Call Number: Picture Book 123 Marzollo

Lots of Ladybugs!: Counting by Fives

Dahl, Michael

Introduces counting and multiplying by the number five as a young boy counts the ladybugs in his yard, each with five black dots on its wings. RL 1.6

Available from other MVLC libraries.

Numbers and Operations in Base 10

continued . . .

Make it 100!

Mattern, Joanne

Photographs and simple text introduce children to the mathematical concept of counting. RL 1.4

Call Number: Kids 513.211 Mattern

Mall Mania

Murphy, Stuart J.

Teaches children addition strategies by following a math class and they count people entering the mall for a contest. RL 1.7

Call Number: Kids 513.211 Murphy

Math for All Seasons: Mind-Stretching Math

Riddles

Tang, Greg

Contains twelve riddles, each paired with a color illustration, that together pose math puzzles based on the seasons of the year. Includes an answer key. RL 2.9

Available from other MVLC libraries.

Mission: Addition

Leedy, Loreen

Miss Prime and her animal students explore addition by finding many examples in the world around them.

RL 2.5

Call Number: Kids 513.2 Leedy

More Than, Less Than

Mattern, Joanne

Photographs and simple text help children understand the mathematical concepts of more than and less than.

RL 2.5

Available from other MVLC libraries.

Mystery Math: A First Book of Algebra

Adler, David A.

Text and illustrations depicting scenes of a haunted house introduce algebraic terms and concepts. RL 4.8

Call Number: Kids 512 Adler

On Beyond a Million: An Amazing Math Journey

Schwartz, David M.

Explores counting by powers of ten all the way up to the largest numbers that exist. RL 4.6

Call Number: Kids 513.55 Schwartz

On the Playground: How Do You Build Place Value?

Loughran, Donna

Mathematical concepts of "greater than" and "lesser than" are introduced through a story about building a playground. Includes a discover activity, history connection, and mathematical vocabulary introduction. RL 2.9

Call Number: Kids 519.544 Loughran

Winning the Game: Putting Miles In Their Place

Brunner-Jass, Renata

The mathematical concepts of place value and integers are introduced as students design a board game in which they must keep track of distance with addition and multiplication. Readers learn about expanded notation and place value charts. Includes a discover activity, history connection, and mathematical vocabulary introduction.

Call Number: Kids 513.5 Brunner-Jass

Numbers and Operations: Fractions

Fractions and Decimals

Wingard-Nelson, Rebecca

Learn how to add, subtract, multiply, and divide both fractions and decimals, how to convert between the two, and how to make them into percents.

Call Number: Kids 513.26 Wingard-Nelson

Fractions, Decimals, and Percents

Adler, David

Introduces fractions, decimals, and percents through descriptions of things found at a county fair; and includes instructions for a game. RL 3.6

Available from other MVLC libraries.

Numbers and Operations: Fractions continued . . .

Fun Food Word Problems Starring Fractions

Wingard-Nelson, Rebecca

Explores methods of solving fraction word problems using food examples. RL 5.7

Available from other MVLC libraries.

Ivy Sue Needs a House: Building With Equivalent Fractions

Perritano, John

The mathematical concept of equal fractions is introduced as readers learn how to build a doghouse. Readers learn about numerators, denominators, and common factors. Includes a discover activity, history connection, and mathematical vocabulary introduction. RL 3.4

Call Number: Kids 513.26 Perritano

Percents and Ratios

Wingard-Nelson, Rebecca

Learn about percents and ratios, including how to tell what's a better purchase, figuring out sales tax and discounts and appropriate tips.

Call Number: Kids 513.24 Wingard-Nelson

Piece=Part=Portion: Fractions=Decimals=Percents

Gifford, Scott

Explains how in the language of mathematics, fractions, decimals, and percents are three different ways of describing the same parts of things. RL 1.7

Available from other MVLC libraries.

Polar Bear Math: Learning About Fractions From Klondike and Snow

Nagda, Ann Whitehead

Uses charts and recipes for bear milk prepared for two baby polar bears born in a zoo to teach about fractions. RL 5

Available from other MVLC libraries.

Working With Fractions

Adler, David

Shows how to calculate and use simple fractions, presenting examples involving everyday activities such

as counting money, playing games, and splitting up a pizza. RL 5.1

Available from other MVLC libraries.

Operations and Algebraic Thinking

Arithme-tickle: An Even Number of Odd Riddle-Rhymes

Lewis, Patrick

Rhyming text and illustrations present a variety of math problems. RL 3.6

Available from other MVLC libraries.

The Great Divide

Slade, Suzanne

Uses groups of animals to introduce children to division. RL 3.5

Call Number: Kids 513.214 Slade

Growing Patterns: Fibonacci Numbers In Nature

Campbell, Sarah C.

Text and photographs provide a simple introduction to Fibonacci numbers in nature. RL 3.4

Available from other MVLC libraries.

The House of 12 Bunnies

Stills, Caroline

In the house of twelve bunnies, Sophia searches everywhere for the one thing that will get them to bed on time. RL 3.2

Call Number: Picture Book Stills

Math Words and Symbols

Peppas, Lynn

An explanation of math words and symbols for students in kindergarten through third grade, covering number sentences, greater than and less than, dollars and cents, equal, and other topics. RL 2.1

Call Number: Kids 510 Peppas

Missing Math: A Number Mystery

Leedy, Loreen

A numerical mystery ensues when the numbers all over town suddenly disappear bringing a halt to everyday activities. RL 2.8

Available from other MVLC libraries.

Operations and Algebraic Thinking continued . . .

Mission: Addition

Leedy, Loreen

Miss Prime and her animal students explore addition by finding many examples in the world around them.

RL 2.5

Call Number: Kids 513.2 Leedy

The Mission of Addition

Cleary, Brian P.

Presents a children's book for early readers that teaches about addition. RL 3.2

Available from other MVLC libraries.

Money Counts

Duke, Shirley Smith

Simple text and illustrations present the concept of money and explain the value of each type alone and in different combinations. RL 2.5

Call Number: Kids 332.4 Duke

Mummies In the Library: Divide the Pages

Perritano, John

The mathematical concept of division is introduced as a brother and sister embark on a reading challenge, determining how many pages to reach each night through different division methods. Different division methods include using an array, a number line, tally marks, and a division expression. Includes a discover activity, history connection to ancient Egypt, and mathematical vocabulary introduction. RL 3.5

Call Number: Kids 513.214 Perritano

Our Neighborhood Food Drive: Extend the Counting Sequence

Halloran, Corey

Engaging story lines and relatable contexts assist readers in understanding the fundamentals of numbers and operations in base ten. Students will learn how to extend the count sequence and gain an understanding of place value in order to apply that understanding to addition and subtraction equations. RL 2.1

Call Number: Kids 513.211 Halloran

Percentage

Arvoy, Marsha

Provides a simple introduction to percentage and estimation through a story in which second grade students go on a field trip to the zoo. Includes related activities. RL 2.2

Available from other MVLC libraries.

Picnic Fun: Hot Dog Operations

Loughran, Donna

Presents basic addition and subtraction problems as they are used to help plan a picnic. Includes hands-on activities. RL 2.7

Call Number: Kids 513.211 Loughran

Place Value: The Next Stage

Piddock, Claire

Illustrations and easy-to-follow text help children learn about place values and how they can be used to count items. RL 2.8

Call Number: Kids 513 Piddock

Plus 1, Minus 1

Matzke, Ann

Photographs and simple text introduce children to the mathematical concepts of addition and subtraction. RL 1

Available from other MVLC libraries.

Plus 2, Minus 2

Matzke, Ann

Photographs and simple text introduce children to the mathematical concepts of addition and subtraction. RL 2.4

Call Number: Kids 513.21 Matzke

Probability

Cohen, Marina

Provides a simple introduction to probability through a story in which a girl invites a friend over to play games and have a snack. Includes related activities. RL 2.3

Available from other MVLC libraries.

Operations and Algebraic Thinking continued . . .

Problem Solving with Pigs

Harasymiw, Raymond

Explains the concept of word problems through photographs and text about pigs. RL 1.7

Call Number: Kids 510.76 Harasymiw

Regrouping

Piddock, Claire

A simple introduction to the mathematical concept of regrouping to help early learners with addition and subtraction skills, including explained sample problems and related activities. RL 2.9

Available from other MVLC libraries.

Rounding

Arvoy, Marsha

A school fair offers opportunities for students to learn the math concept of rounding. Includes activities, photographs, and a glossary. RL 2.4

Call Number: Kids 513 Arvoy

Subtraction

Becker, Ann

An explanation of subtraction for students in kindergarten through third grade, covering comparisons, subtraction words and rules, take away, and other topics. RL 2.1

Available from other MVLC libraries.

Subtraction Action

Leedy, Loreen

Introduces subtraction through the activities of animal students at a school fair; includes problems for the reader to solve. RL 2.2

Call Number: Kids 513.212 Lee

What is Math?

Steffora, Tracey

Photographs and simple text introduce children to the field of mathematics. RL 2.4

Available from other MVLC libraries.

The Wing Wing Brothers Math Spectacular!

Long, Ethan

The Wing Wing brothers put on a show that illustrates how to compare numbers, add, and subtract. RL 1.4

Call Number: Kids 513.2 Long

You Can, Toucan, Math: Word Problem-Solving Fun

Adler, David

A collection of bird-themed number riddles that may be solved using addition, subtraction, multiplication, or division. RL 3.3

Available from other MVLC libraries.

Positive and Negative Numbers

Fahrenheit, Celsius, and Their Temperature Scales

Lin, Yoming

Describes the lives of Daniel Gabriel Fahrenheit and Anders Celsius and discusses their scientific discoveries and inventions of temperature scales. RL 5.1

Available from other MVLC libraries.

Temperature: Heating Up and Cooling Down

Stille, Darlene

Provides information about temperature, explaining how it is measured, where heat comes from, how things get hot or cold, and how to stay warm. Includes an activity and glossary. RL:2.5

Available from other MVLC libraries.

***Compiled by Heather Peachey, Library
Coordinator, Wilmington Public Schools.***

