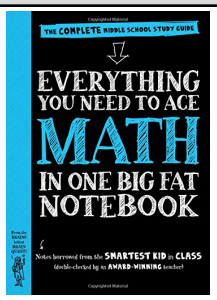
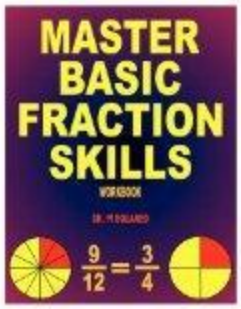
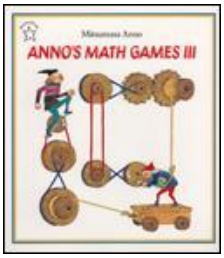
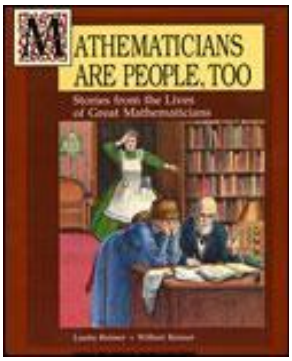
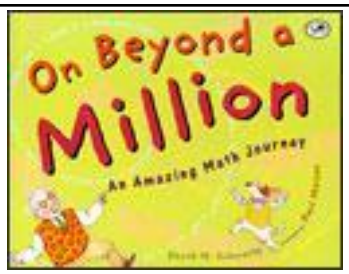
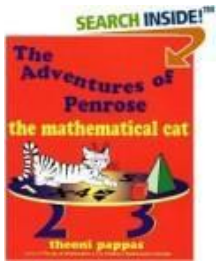
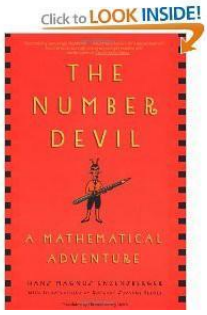
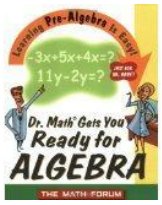
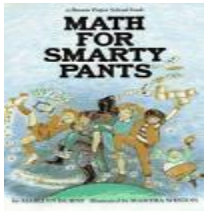
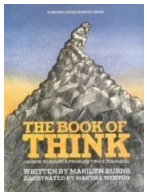
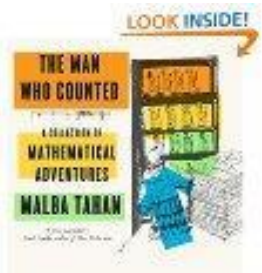
For Students Entering Grade 6 in September 2026 - Math Reading List

Dear Incoming 6th Grade Students and Parents/Guardians:

As you choose your summer reading books, don't forget to make time for math too! We've put together a list of some of our favorite math-related books for students your age, along with websites that can help you practice and strengthen the skills you'll use in 6th grade. We hope these resources help you stay sharp, build confidence, and get excited about math next year. Have fun exploring!

Exponentially Yours,
The Sixth Grade Math Team

Book Title	About the Book
	**ONE OF THE BEST MIDDLE SCHOOL MATH RESOURCES OUT THERE.** This book is an outstanding resource for middle school math and includes all of our 6th grade topics. It is taught with diagrams and pictures with step by step instructions that bring the math to life. There are lessons followed by problems that students can try. It is very kid friendly and kids find it a valuable tool to review, practice and even enrich their middle school skills.
	**MASTER BASIC FRACTION SKILLS** This math workbook focuses on basic fraction skills. Many 5th grade students will need to review and practice fraction skills so they are mastered before the 6th grade. The first two chapters introduce the concept of representing a fraction with pie slices. The remaining ten chapters offer practice converting between mixed numbers and improper fractions, reducing fractions and mixed numbers, finding the lowest common denominator, comparing fractions and mixed numbers, finding reciprocals of fractions and mixed numbers, and adding, subtracting, multiplying, and more.
	**Anno's Math Games III** is the third in a series of delightful books that are full of ideas to stimulate upper elementary and young adolescent student thinking. The text has four stand-alone chapters: Changing Shapes with Magic Liquid (stretching/shrinking); Exploring Triangles (tesselating/origami); Mazes (paths/open & closed); and Left and Right (symmetry/orientation).
	**Mathematicians Are People, Too: Stories from the Lives of Great Mathematicians** Author: Luetta Reimer and Wilbert Reimer This book is a collection of 15 stories that can be read aloud in the classroom to give students insight into the lives of mathematicians. The goal of the book is to show students how mathematicians observe patterns and test their observations and that we use these methods today. Each story shows the particular mathematician as a person first, then a mathematician, thus making the mathematicians more real to the students. Each story gives a brief history of the mathematician and provides students with background into specific mathematical concepts.

	***On Beyond a Million: An Amazing Math Journey*** Author: David M. Schwartz This book provides a context for exploring extremely large numbers, including googol and beyond. Students involved in popping popcorn for an assembly have a popcorn machine that is out of control, and they are curious to find out the number of kernels popped. Since it is impossible to count fast enough, Professor X suggests "power counting" using powers of 10 to do the job.
	***The Adventures of Penrose the Mathematical Cat*** by Theoni Pappas Perfect book for early teens or tweens, the storyline includes Penrose the mathematical cat who seems pretty lazy but often gets interested in her mistress' math papers and thus ends up learning about this and that in math. Penrose learns the truth about infinity, 0s and 1s (binary numbers), fractals, Mobius strip, Pascal triangle, golden rectangles, paper-folding, tessellations, abacus, magic squares, tangrams, nano-world...
	***THE NUMBER DEVIL*** By Hans Magnus Enzensberger The international best-seller that makes mathematics a thrilling exploration! In twelve dreams, Robert, a boy who hates math, meets a Number Devil, who leads him to discover the amazing world of numbers: infinite numbers, prime numbers, Fibonacci numbers, numbers that magically appear in triangles and numbers that expand. As we dream with him, we are taken further and further into mathematical theory, where ideas eventually take flight, until everyone-from those who fumble over fractions to those who solve complex equations in their heads-winds up marveling at what numbers can do.
	***Dr. Math Books (Challenge)*** By The Math Forum These books are more lesson-oriented and less like storybooks. I want to include them here because of the friendly, even humorous, presentation. Dr. Math Gets You Ready For ALGEBRA is a pre-algebra book and he explains the pre-algebra concepts on an easy-to-understand level.
	***MATH FOR SMARTY PANTS*** By Marilyn Burns Fundamental math concepts are conveyed through entertaining puzzles, tricks and word problems. For the numbers-averse, this book proves that numbers are only a part of math; for the math whiz, it offers plenty of challenges.
	***The Book of Think*** By Marilyn Burns This is a book that teaches critical thinking skills. The puzzles are fun, and sometimes a bit surreal. The skills learned are invaluable.
	***The Man Who Counted : A collection of Mathematical Adventures*** By Malba Tahan Here's a delightful little book that combines the joys of mathematical recreation with some fine storytelling. It follows the Arabian adventures of a man with remarkable mathematical skills, which he uses to settle conflict and give wise advice. The tales of his travels involve the solving of mathematical puzzles and sharing insights from the minds of some of history's great mathematicians.

HERE ARE SOME GREAT WEBSITES TO HELP YOU PRACTICE, REVIEW AND MASTER SKILLS YOU'LL NEED FOR 6th GRADE MATH

Topic to Learn and Practice	Website Links to Learning
Place Value, Number Sense and Computation with Whole Numbers	Multi-digit whole numbers Addition Basketball Game Many different kinds of online games to practice multiplication facts Online flash card practice Choose any game from the multiplication tab on the website Multiplication fact quiz – with multiple choice! See how many facts you can recall in 5 minutes Timed fact practice - self grade quiz - can select the specific multiplication facts you need to work on Check to make sure the "check" is marked for multiplication, and the maximum is set to 9 (unless you want to practice 10, 11, and 12 facts)
Decimals and Computation with Decimals / Rounding	Practice adding decimals by playing a baseball game Add decimals while playing basketball – one or two player game, can be timed Subtracting decimals soccer game Subtract decimals while playing basketball – one or two player game, can be timed Step-by-step review of multiplying decimals and then test yourself Division of decimals step-by-step review and then test yourself Division of decimals – football themed Division of decimals – football themed – harder version Review all decimal operations with this jeopardy game, can be played with up to four players Review all decimal operations with Santa! Santa corrects you if you need help.
Fractions and Computation with Fractions	Lesson on equivalent fractions Lesson on comparing fractions Dirt Bike Tug of War- Comparing Fractions Converting Mixed Numbers to Improper Fractions Converting Improper Fractions to Mixed Numbers Adding Fractions Lesson Adding Fractions Lesson with Animation Adding and Subtracting Fractions Online Board Game Video Lesson on Adding Mixed Fractions Subtracting Fractions Lesson Video Lesson on Subtracting Mixed Fractions Multiplying Fractions Lesson Multiplying Mixed Fractions Lesson Multiplication of Mixed Fractions Video Lesson Multiplying Fractions Soccer Game Dividing Fractions Lesson Dividing Fractions by Whole Numbers Lesson Division with Mixed Numbers Video Lesson Dividing Fractions Basketball Game

Order of Operations	Video tutorial on exponents using base 10 Khan Academy powers of 10 practice Powers of 10 review notesheet Order of operations video and practice Order of operations note sheet Order of operations/pemdas game
Coordinate Graphing / Plotting Points	Coordinate graphing in the first quadrant quiz Use the arrow keys to move space pup to find his bone located on each coordinate point (select quadrant 1 in the beginning)