

## Math Terpieces: The Art Of Problem Solving

*On his way home from a quick trip to the store, Steven encounters several marauding animals ready to relieve him of his goods. Two stuffed animals belonging to a little girl, Marcus the teddy bear and his best friend Lionel the lion, look forward to moving day, but the two become separated on the journey to the country.*

*Everyone knows cookies taste good, but these cookies also have something good to say. Open this delectable book to any page and you will find out something about life. Cookies: Bite-Size Life Lessons is a new kind of dictionary, one that defines mysteries such as "fair" and "unfair" and what it really means to "cooperate." The book is by turns clever, honest, inspirational, and whimsical. Go ahead, take a bite!*

*Greg Tang is back with his bestselling approach to addition and subtraction: problem solving. By solving challenges that encourage kids to "group" numbers rather than memorize formulas, even the most reluctant math learners are inspired to see math in a whole new way! Math Potatoes is full of Tang and Briggs' trademark humor, wit, and extraordinary creativity. Tang has proven over and over that math can be fun, and this new addition to his acclaimed series of mind-stretching math riddles is sure to be another hit.*

*Math for All Seasons*

*What's the Difference?*

*Using Children's Literature to Teach Problem Solving in Math*

*Ed Emberley's Picture Pie*

*Now What? a Math Tale*

*Math Potatoes*

Math-terpiecesScholastic Inc.

How far could you hop? If you hopped like a frog...you could jump from home plate to first base in one mighty leap! Did you know that a frog can jump 20 times its body length? Or that an ant can lift an object 50 times its own weight? Read this book and find out what you could do -- if you had the amazing abilities of animals! And there are endless possibilities for making more hilarious comparisons of your own. Get ready for ratio and proportion like you've never seen them before!

"It's lunchtime at Peg's Pizza Place! Peg and Cat are excited to take their first order -- from the Teens! -- only to learn that some of their customers want a whole pizza while one of them wants half a pie. How can Peg and Cat make half a pie when they don't know what half is? Luckily, Ramone and Mac are there to help, with a slice up the middle of the pizza. As more customers come in, things get entertaining, with Peg singing a jazzy song and Cat doing a dance. But soon there's another problem: four orders, but only two and a half pizzas left. Peg is totally freaking out -- until Cat reminds her that when it comes to halves and wholes, it's all in how you slice it."--Publisher's web site.

Solve a problem with Puppy and a bag full of blocks! Robie H. Harris and Chris Chatterton team up for another gentle introduction to early math concepts. Puppy wants to build a bed out of blocks, one that is wide enough and long enough for a snooze. But there aren't enough rectangles, squares, and triangles. NOW WHAT? Build, measure, count, compare! Follow along as Puppy tries again and again and again and finally figures out how blocks of different shapes and sizes can fit together to build a bed that's just the right size for a nap.

The Grapes of Math

Mangoes & MonkeyBread; Fruity Fun with Ella & Louis

Math Riddles

Mark Kistler'S Draw Squad

Meanies

Cookies

***Chester Cricket and his friends from the meadow have to help poor old Mr. Budd. He and his dog Dubber have to move out of their quiet corner of the Old Meadow because it has been named a historical landmark. Chester Cricket and the meadowfolk band together to save Mr. Budd from being evicted from the Old Meadow by the town council. Through their efforts and dreams, they are able to stop the world one magical night just long enough to make a difference.***

***Sixteen clever riddles illuminate quick-and-easy tricks to solving math problems. Math puzzles have never been so much fun! Category: Math Skills"How many grapes are on the vine? Counting each takes too much time. Never fear, I have a hunchThere is a match for every bunch!"Greg Tang, a lifelong lover of math, shares the techniques that have helped him solve problems in the most creative ways! Harry Briggs's vibrant & inviting illustrations create a perfect environment for these innovative games. So open your mind-and have fun!"This...clever math book uses rhyming couplets... riddles...visual clues to help the reader find new ways to group numbers for quick counting...A winning addition!" --Kirkus***

***In reading this book, students will get step-by-step instructions for building a bird feeder.***

***Dissatisfied with its shape, a triangle keeps asking the local shapeshifter to add more lines and angles until it doesn't know which side is up.***

***Hanukkah Haiku***

***Marcus and Lionel***

***Pencil***

***The Shopping Basket***

***Addressing the Standards for Mathematical Practice in K-5***

When the teacher tells her class that they can think of almost everything as a math problem, one student acquires a math anxiety which becomes a real curse.

In his most ground-breaking book since *THE BEST OF TIMES* (Fall 2002), Greg Tang underscores the importance of four basic rules in problem-solving. Keeping an open mind, looking for unusual number combinations, using multiple skills (like subtracting to add) and looking for patterns, will guarantee any child success in math. In *MATH-TERPIECES*, Tang continues to challenge kids with his innovative approach to math, and uses art history to expand his vision for creative problem-solving.

Pencil and his boy Jackson are a great pair: they draw, they sketch, they scribble. But then Jackson gets Tablet and Pencil finds himself dumped in the dreaded junk drawer; he just can't compete with Tablet's videos, games, and movies. How will Pencil ever reclaim Jackson's attention? With the help of some new pun-loving junk-drawer friends (and a drooling, pencil-chomping dog), Pencil sketches out a plan to draw Jackson back into their friendship. A former educator whose first book was shortlisted for a Crystal Kite award, author Ann Ingalls uses kid-friendly puns and an upbeat tone in this story that celebrates friendship, collaboration, and unplugged fun. Buoyed by award-winning artist Dean Griffith's always-exuberant illustrations, *Pencil: A Story with a Point* is a gentle reminder that technology is no match for imagination.

Learn how children's literature can help K-5 students see the real-life applications of mathematical concepts. This user-friendly book shows how to use stories to engage students in building critical reasoning, abstract thinking, and communication skills, all while helping students understand the relevance of math in their everyday lives. Each chapter is dedicated to one of the eight Standards for Mathematical Practice, and offers examples of children's literature that can be used to help students develop that practice. You'll find out how to: Encourage students to persevere in solving mathematical problems and use multiple approaches to find the answer; Help students reason abstractly with the aid of concrete objects and visuals; Guide students in constructing arguments to explain their reasoning and engage in critical discussion with their peers; Teach students to recognize mathematical patterns and use them to solve problems efficiently; And more! The book offers activities for beginners as well as for more advanced problem solvers. Each chapter also provides guidance for ELLs and students with special needs, so no matter your classroom environment, you'll be able to use these strategies to make math class more dynamic, engaging, and fun.

Make a Bird Feeder

Multiplying Menace

Peg + Cat

With Audio Recording

The Life of Fibonacci

Math-terpieces

*Grab your jumbo popcorn—you're invited to the premiere of a 3-D movie, all about those three dimensions! Trusted math picture book duo David A. Adler and Ed Miller tackle the differences between two- and three-dimensional objects in their signature bright and kid-friendly way. Explaining length, width, and height-- and all the different ways we represent those figures-- Adler shows how changing the dimensions of an object affects its size. . . . with some help from a cast of funny, friendly movie monsters.*

*Explaining key vocabulary in simple text and offering numerous concrete examples and sample math problems with included solutions, Perimeter, Area, and Volume is a perfect introduction to two- and three-dimensional geometry. The star-studded cast of monsters will help you calculate the perimeter of the set, the area of the movie screen, and the volume of your box of popcorn. Learning about dimensions has never been so entertaining!*

*The day it rained hearts, Cornelia Augusta gathered up an armful and began to make Valentines for all her special friends. Four-color illustrations. 15,000print.*

*The author of "The Grapes of Math" challenges kids to solve mathematical problems creatively while introducing art history in his latest math book.*

*Describes the unpleasant habits of meanies. Suggested level: junior.*

**Math Curse**

*Four Valentines in a Rainstorm*

*Killer Whale Vs. Great White Shark ( Who Would Win? )*

*Work in Colonial America*

*The Greedy Triangle*

*The Old Meadow*

*There's nothing like a day at the beach with Lottie! Armed with a handy towel and plenty of ingenuity, she turns lemons into lemonade in Petra Mathers's sweet, funny, and completely winning picture book.*

*Describes different kinds of chameleons, examining their physical features, their behavior, and their ability to change color.*

*Provides a series of lesson on foreshortening, surface, shading, shadow, density, contour, overlapping, and size, and suggests that daily practice is important for developing one's artistic skills*

*A rhyming story about noses of all kinds.*

*The Revenge of Rumpelstiltskin*

*The Nose Book*

*A Monster Book of Dimensions*

*An Endangered Animal Subtraction Story*

*Math Fables*

*Math Appeal*

Learn how to make all sorts of pictures, from birds and fish to clowns and flowers, by using the simplest of shapes. Readers will put their multiplication skills to use in this clever math adaptation starring the fairy-tale favorite, Rumpelstiltskin. It's been 10 years since the queen defeated Rumpelstiltskin and now he's back to collect his payment from years before. He causes a stir in the kingdom by making mischief with his multiplying stick and threatens to do far worse if the debt is not repaid. It's up to Peter, the young prince, to take possession of the Rumpelstiltskin's magical multiplying stick and learn how to use it—and multiply both whole numbers and fractions-- in order to restore peace to the kingdom. A perfect mix of math, fairy-tale, and fun, *The Multiplying Menace* will get STEM/STEAM readers excited to solve the adventure one number at a time.

Threatened and endangered animals are found all over the world, in all different types of habitats. Readers celebrate the huge difference that caring people make for these animals while practicing subtraction skills. Each animal is presented through a clever rhyming verse and subtraction problem. Includes "For Creative Minds" section.

Rhyming anecdotes present opportunities for simple math activities and hints for solving.

Perimeter, Area, and Volume

A Cut and Paste Drawing Book

Chameleons are Cool

If You Hopped Like A Frog

The Best of Times

Bite-Size Life Lessons

**Ella & Louis have just arrived in The Gambia for their winter holidays. Settling at home, Louis is already missing sweet strawberries from Stockholm. Join Ella as she takes her brother on a yummy fruit tasting tour and discover fruits native to West Africa that you might have never seen before! Along the way, see if you can find Happy, their adorable little dog who loves a game of hide and seek! A light-hearted journey of discovery with beautiful illustrations and photographs. This charming book shares some of the beauty**

found in the smallest country in Africa.

**NEW YORK TIMES** bestselling author Greg Tang takes on the times tables, teaching kids innovative ways to multiply numbers and derive answers **WITHOUT** memorization. Four is very fast to do when you multiply by 2. Here's a little good advice -- please just always double twice! **BEST OF TIMES** gives kids an intuitive understanding of multiplication, encouraging them to arrive at answers on their own rather than memorizing the times tables. A child who can multiply by two, for instance, can multiply by four and even eight! Likewise, times six builds on times two and times three. With his common-sense approach, Greg Tang encourages kids to solve problems creatively, building both their skills and their confidence.

A biography of Leonardo Fibonacci, the 12th century mathematician who discovered the numerical sequence named for him.

A collection of riddles teaches simple math concepts.

The pizza problem

Blockhead

The Art of Problem-solving

Perfect Square

Mouse Shapes

Lottie's New Beach Towel

*Three mice make a variety of things out of different shapes as they hide from a scary cat.*

*A simple introduction to various jobs in Colonial America, including those performed by blacksmiths, coopers, and shoemakers.*

*A perfect square is transformed in this adventure story that will transport you far beyond the four equal sides of this square book.*

*An illustrated collection of humorous poems about dogs.*

*Kakooma*

*Dog Poems*

*A Story with a Point*

*From 1 to 10, these "lessons that count" are math magic for learning addition and subtraction. Greg Tang has built his career as an author and math missionary on the power of creative problem solving. Now, through winsome "fables" about concepts that are relevant to the very*

## Download Ebook Math Terpieces: The Art Of Problem Solving

*youngest math learners -- sharing, teamwork, etc. -- Greg encourages kids to see the basics of addition and subtraction in entirely new ways. Fresh, fun, and most of all, inspiring, MATH FABLES is perfect for launching young readers on the road to math success!*

*Presents a haiku for each of the eight days of Hanukkah.*

*Your challenge is to find the sum Without counting one by one Why not count? It's much too slow -- Adding is the way to go! Make clever groups before you start -- Then add them in a way that's smart! MATH FOR ALL SEASONS will challenge every kid -- and every parent -- to open their minds and solve problems in new and unexpected ways. By looking for patterns, symmetries, and familiar number combinations within eye-catching pictures, math will become easier, quicker, and more fun than anyone could have imagined!*