

Sir Cumference And The Dragon Of Pi A Math Adventure

Farmer Worth discovers that a special tree on his farm produces different kinds of money, depending on what animal fertilizer he uses.

There are some topics or problems that have captured the interest of mathematicians for ages. Calculating pi is one of them. Although students often encounter pi in the mathematics classroom when applying various formulas, rarely do they use or explore pi in other contexts. This marvelous infinite number we know as pi shows up in many fascinating and mysterious ways. It can be found everywhere, from astronomy and probability, to the physics of sound and light. It is one of the most important numbers that exists. Help your students discover the number that has intrigued mathematicians for centuries. Learn different ways pi has been calculated through the ages, use pi to figure your hat size, perform a variety of experiments to estimate the value of pi, or relate pi to the alphabet. These interesting and exciting activities encourage higher order thinking and offer a complete overview of this important number while giving students practice in important math skills. This guide includes detailed lesson plans (referenced to NCTM standards) and reproducible student worksheets. Use them for Pi Day (March 14), as an enrichment or extension to your existing curriculum, or to challenge your most able math students.

Julie Ellis and Phyllis Hornung Peacock team up once again to explore Pythagorean ratios in this humorous sequel to WHAT'S YOUR ANGLE, PYTHAGORAS? Pythagoras and his cousins want to win a music contest, but first they must figure out how to play their instruments in tune, something that's never been done before. While trying to fix the problem, Pythagoras makes an important discovery--notes that sound pleasant together have a certain mathematical relationship. When Pythagoras applies this ratio to his cousins' pipes and lyres, the result is music to the ears.

Georgie is afraid of the night. It's too dark with the lights off. Too quiet with everyone asleep. And being alone makes everything worse. The dragon is afraid of the knight. After all, the knight carries a heavy sword, and he always wants to fight. The dragon knows just what to do to help Georgie overcome his fear, and the two set off on a unforgettable magical adventure. But when the morning comes, the dragon is still afraid of the knight. How can Georgie help his friend? With kindness and empathy--and a little creativity--maybe Georgie can work some magic of his own. J. R. Krause, an award-winning animator of The Simpsons and Futurama, has created a visually stunning story with incredible emotional depth, which addresses the needs of children to express their feelings and be received with kindness and empathy.

No number has captured the attention and imagination of people throughout the ages as much as the ratio of a circle's circumference to its diameter. Pi--or π as it is symbolically known--is infinite and, in The Joy of pi, it proves to be infinitely intriguing. With incisive historical insight and a refreshing sense of humor, David Blatner explores the many facets of pi and humankind's fascination with it--from the ancient Egyptians and Archimedes to Leonardo da Vinci and the modern-day Chudnovsky brothers, who have calculated pi to eight billion digits with a homemade supercomputer. The Joy of Pi is a book of many parts. Breezy narratives recount the history of pi and the quirky stories of those obsessed with it. Sidebars document fascinating pi trivia (including a segment from the O. J. Simpson trial). Dozens of snippets and factoids reveal pi's remarkable impact over the centuries. Mnemonic devices teach how to memorize pi to many hundreds of digits (or more, if you're so inclined). Pi-inspired cartoons, poems, limericks, and jokes offer delightfully "square" pi humor. And, to satisfy even the most exacting of number jocks, the first one million digits of pi appear throughout the book. A tribute to all things pi, The Joy of pi is sure to foster a newfound affection and respect for the big number with the funny little symbol.

If you go down to Dragon Wood today, you're in for a big surprise. With cakes and candles, fearsome dragons and best friends too, there's nothing quite like a birthday in Dragon Wood... A curious little Dragon has a very important football match, and it's his best friend, the Benjamin's birthday too. Will his team win the match? And what exactly is a birthday party? Find out in this new picture book, the magical sequel to the much-loved Guess What I Found in Dragon Wood.

Read Along or Enhanced eBook: A clever introduction to place value. Sir Cumference and Lady Di planned a surprise birthday party for King Arthur, but they didn't expect so many guests to show up. How many lunches will they need? And with more guests arriving by the minute, what about dinner? Sir Cumference and Lady Di have to figure out a quick way to count the guests to bring order to the party. Sir Cumference and his friends have been entertaining young and old alike for years as they introduce important math concepts with clarity and humor.

Even in silhouette, the fun and fanciful art of Dr. Seuss is instantly recognizable in this Bright and Early Book classic: "a bug, a balloon, a bed, a bike. No shapes are ever quite alike." Looking at ordinary shapes is great when seen through the eyes of the remarkable Dr. Seuss, but of course it's the extraordinary shapes that really make an impression. Would you want to be shaped like a BLOGG? Combining brief and funny stories, easy words, catchy rhythm, and lively illustrations, Bright and Early Books are an ideal way to introduce the joys of reading to children.

Join Sir Cumference and the gang for more wordplay, puns, and problem solving in the clever math adventure that introduces readers to the concept of fractions. Sir Cumference and Lady Di discover "Fracton numbers" while purchasing cloth and cheese at the Fracton Faire. While two-fourths may seem like the same as one-half, in truth it denotes two parts of one-half, or two quarters of the whole. But the real mystery is the fact that items at the fair keep disappearing, and Sir C, Lady Di, and the Earl of Fracton must set a numeric trap for the thief, teaching an important lesson along the way about the comparative size of fractions. Puns--both literal and visual--abound in this fun adventure story with beloved characters and a solid pedagogical foundation. A fun little math adventure that introduces the basics of fractions to early elementary audiences. — School Library Journal

A funny and pun-filled retelling of "The Sword and Stone" that introduces readers to mathematical angles. King Arthur has hidden his sword, Edgecalibur and issued a challenge to the knights. The first knight to find the sword will be the next king. Can Sir Cumference and Lady Di point Radius's best friend, Vertex in the right direction? Will Vertex's sharp thinking give him the edge? Join Sir Cumference, Lady Di of Ameter, and their son, Radius, in this new adventure where they race to help Vertex find the sword and discover the secrets of cubes, pyramids, cylinders, and cones.

In ancient Greece, young Pythagoras discovers a special number pattern (the Pythagorean theorem) and uses it to solve problems involving right triangles.

Matthew enters a contest at the beach and builds an unbelievable sand castle.

Join Sir Cumference and the gang for more wordplay, puns, and problem solving in the clever math adventure that introduces readers to charts and graphs through an annual bake-off. Sir Cumference and

Lady Di need a baker to prepare a special dessert for the annual Harvest Faire. Two bakers compete to see whose dessert is most popular. When Pia of Chartres and Bart Graf have trouble keeping track of the votes their desserts receive, they each develop a better system. Pia places a colored candy around the edges of a pie dough (like a pie chart), and Bart stacks up cookie tins (making a 3D bar graph). When there's a tie, the two chefs cook up a hybrid dessert just in time for the Faire. Puns--both literal and visual--abound in this fun adventure story with beloved characters and a solid pedagogical foundation.

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 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!

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.

For fans of the Sir Cumference series with coordinate geometry on their mind, here is the seventh installment in this fun look at math and language. While riding through the forests of Angleland, cousins Per and Radius realize they are lost and are desperate for a map to guide them home. Soon they come across a mysterious house in the hills. Inside they find a map to a treasure belonging to Xaxon Yellowbearyd, the fiercest Viking warrior of his time. Per and Radius must decode the strange numbered grid on the map, while trying to steer clear of the pack of bungling bandits who are on their tail. Will they find the treasure in time? Cindy Neuschwander delivers yet another intriguing math adventure featuring the well-known characters of Angleland. Readers will enjoy following Per and Radius in their quest while learning how coordinate geometry relates to everyday life. Wayne Geehan's beautiful illustrations offer a bit of comic relief, while also clearly demonstrating the concepts explored in the story.

Join Sir Cumference, Lady Di of Ameter, and their son Radius for wordplay, puns, and problem solving in this angle-packed math adventure. In the third installment of the beloved Sir Cumference series, Radius must prove himself on his quest for knighthood by rescuing a king. Sent off with the family medallion for luck, Radius dodges dangers and dragons. The ultimate challenge lies in a mysterious castle with a maze of many angles.

Join Sir Cumference, Lady Di of Ameter, and their son Radius for wordplay, puns, and problem solving in this geometry-packed math adventure. King Arthur was a good ruler, but now he needs a good ruler. What would you do if the neighboring kingdom were threatening war? Naturally, you'd call your strongest and bravest knights together to come up with a solution. But when your conference table causes more problems than the threat of your enemy, you need expert help. Enter Sir Cumference, his wife Lady Di of Ameter, and their son Radius. With the help of the carpenter, Geo of Metry, this sharp-minded team designs the perfect table conducive to discussing the perfect plan for peace. The first in Sir Cumference series, SIR CUMFERENCE AND THE FIRST ROUND TABLE makes math fun and accessible for everyone.

Join Sir Cumference and the gang for more wordplay, puns, and problem solving in the clever math adventure that introduces readers to the concepts of area and perimeters. When young Per visits her uncle Sir Cumference and his family, she learns how to play the game, "Inners and Edges." After she finds a clue linking the game to the mysterious castle on the island of Immeter, she must figure out how to find the perimeter and area of a circle to unlock the island's secret. Fans will love cracking the code with Per and the gang in this new installment of the Sir Cumference series that makes math fun and accessible for all.

Read Along or Enhanced eBook: Sir Cumference, Lady Di of Ameter, and Radius are back in their second Math Adventure! This time, a potion has changed Sir Cumference into a fire-breathing dragon. Can Radius change him back? Join Radius on his quest through the castle to solve a riddle that will reveal the cure. It lies in discovering the magic number that is the same for all circles.

Retells the segment from Spenser's "The Faerie Queene, in which George, the Red Cross Knight, slays the dreadful dragon that has been terrorizing the countryside for years and brings peace and joy to the land.

When Sir Cumference drinks a potion which turns him into a dragon, his son Radius searches for the magic number known as pi which will restore him to his former shape.

Sir Cumference and the Dragon of Pi Charlesbridge

Follows the events of the Christian year, from Advent and Christmas through Easter and All Saints' Day back to Advent, and explains the meaning and symbolism of each holy day.

Part of the popular Sir Cumference series! Baker Pia is back with a handy way of counting by tens and fractions in this fun introduction to the decimal system. This time the focus is back on Pia of Chartres from Sir Cumference and the Off-the-Charts Dessert. She is kidnapped by a family of ogres--Tentt, the father, Hoondrit, the mother, and their ten daughters, Una to Decima. Pia is asked to help the ogres prepare a feast for a large celebration, which will involve tens, hundreds, even thousands of pieces of dessert! Readers will learn about place value and the decimal system of notation in this latest medieval math adventure. The endnote includes a diagram with place names.

Join Sir Cumference and the gang for more wordplay, puns, and problem solving in the clever math adventure that introduces readers to the concept of rounding numbers. When Steward Edmund Rounds and Sir Cumference notice that there are strangers camped nearby, Rounds II decides to investigate despite being involved with the task of learning how to make accurate counts of the castle's stores of food, supplies, and weaponry. When he reports back that an enemy is lying in wait, everyone moves quickly to defend the castle. But wait! Will Rounds II be able to figure out how many bows and arrows they have to create an appropriate battle plan? Using rounding techniques to figure out the totals more quickly, Rounds II is just in time to help stave off a potentially disastrous attack. Readers will love making the rounds with Rounds II and the gang in this new installment of the Sir Cumference series that makes math fun and accessible for all.

Miss Lotta Scales is a dragon who believes her job is to protect the school's library books from the children, but when she finally realizes that books are meant to be read, the dragon turns into

Miss Lotty, librarian and storyteller.

Text and detailed drawings follow the planning and construction of a magnificent Gothic cathedral in the imaginary French town of Chutreaux during the thirteenth century.

Hundreds of mathematical events, jokes, riddles, puzzles, investigations and experiments showing maths is relevant and fun.

A basic introduction to the concept of fractions.

A showdown between two barbers in the frontier town of Cowlick leads them to realize new uses for scale drawing.

If you think numbers are boring, think again! Imagine the world without measurements: What time is it? Are we nearly there yet? How big do you want it? Why Pi? takes readers through a mesmerizing, historical number journey, from the ancient civilizations that used numbers as simple measurement, through the Renaissance period with the conquering of the seas and mapping of the world, the Industrial Revolution, and all the way on to Einstein's theory of relativity and discovering space. Numbers are eternal and have been a crucial element in human history. From sailing the seven seas to journeying deep below the waves and up through the atmosphere, it's all about numbers. Discover how simple modern-day things are all about measurement and see how the future will be shaped by numbers as we travel farther into space. Numbers aren't just about sums and calculations, and there is no one better at illustrating this than the ingenious Johnny Ball as he demonstrates just how essential math is to our everyday world. Why Pi? examines how numbers have allowed explorers, engineers, and scientists to explore, build, and discover. Reviews: "[An] extensive look at the history of measurement." - Booklist Awards: Teachers' Choice Award Winner

When Steward Edmund Rounds and Sir Cumference notice that there are strangers camped nearby, Rounds II decides to investigate despite being involved with the task of learning how to make accurate counts of the castle's stores of food, supplies, and weaponry. When he reports back that an enemy is lying in wait, everyone moves quickly to defend the castle. But wait! Will Rounds II be able to figure out how many bows and arrows they have to create an appropriate battle plan? Using rounding techniques to figure out the totals more quickly, Rounds II is just in time to help stave off a potentially disastrous attack.

First published 1994. No one ever came to the kingdom of Brog. Then one day the dragon arrived, and so did the knights. None of them managed to kill the dragon. But then Princess Lisa had a much better idea

For fans of the Sir Cumference series with Pi on their mind, here is the second installment in this fun look at math and language. This time the math adventure is centered around a potion that changes Sir Cumference into a fire-breathing dragon. Can Radius change him back? Join Radius on his quest through the castle to solve a riddle that will reveal the cure. It lies in discovering the magic number that is the same for all circles. Perfect for parent and teachers who are looking to make math fun and accessible for everyone.

Sail across spectacular seas and discover the mind-boggling marine life of the world's oceans. Find out about the five great oceans on our planet, and learn about their biological and geographical features. Explore the deepest depths of the Mariana Trench, spot shipwrecks at the bottom of the sea, and uncover the beauty of the Great Barrier Reef. This ebook will teach children about the incredible oceans and seas that cover around seventy percent of our world. Dive in with amazing illustrations, discover how we can protect our oceans, and stock up on facts to amaze your friends. Includes information, photographs, and colorful illustrations, DKfindout! Oceans is a beautiful compendium of ocean life, from the Pacific to the Atlantic. DKfindout! Oceans introduces creatures great and small, from the great white shark, dolphins, and giant squid, to penguins and colorful coral. The DK findout! series introduces children to a range of exciting topics in a fun, engaging way. Checked by specialist consultants and an educational expert, this is not only a source of information you can trust but one that is age-appropriate and supports your child's schoolwork.

Join the Cat in the Hat as he explains how to measure circles and calculate pi in this perfect choice for Pi Day celebrations and nurturing a love of math and numbers! The Cat in the Hat makes calculating pi—one of the most fascinating numbers in mathematics—as easy as pie! Using a piece of string and two sticks, the Cat first shows beginning readers how to draw a perfect circle. Then, using a can and a piece of ribbon, he shows how to measure a circle's circumference and diameter, and to use those measurements to calculate pi. Also included is information about the history of measurement and famous Pi Pioneers! Written in simple rhyme, Happy Pi Day is a natural choice for celebrating Pi Day (held annually on March 14), and for nurturing a child's interest in math. Fans of the hit PBS show The Cat in the Hat Knows a Lot About That! will be delighted at this new addition to the Learning Library series.

A ribbiting math adventure! After being banished to the Abyss of Zero in MULTIPLYING MENACE: THE REVENGE OF RUMPELSTILTSKIN, Rumpelstiltskin is back, and he's stirring up more trouble than ever. Together with his sidekick, a witch named Matilda, Rumpelstiltskin plots his revenge on Peter and uses his magical powers to divide the kingdom into frogs. Peter and his dog, Zero, must locate the Great Multiplier and find a solution that will break the Great Divide before Rumpelstiltskin has a chance to combine the two mighty math sticks. Can Peter once again save the kingdom in time, or will it meet a green and warty fate? Young readers will fall in love with this math adventure and learn all about dividing by whole numbers and fractions, as well as division rules for equations involving zero. Beautifully rendered illustrations will grab readers' attention as they learn basic math skills in a fun and inventive way. Back matter includes a summary of the basics of division.

Much to his surprise, King Ulf's breakfast egg contains a small dragon, who grows up to be a friendly nuisance until the King can find him a special job.

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