

**Tuen Mun Catholic Secondary School
Mathematics LAC Books (2018-2019)**

1. Title : How to Bake Pi: Easy Recipes for Understanding Complex Maths
Author : Eugenia Cheng
Publisher : Profile Books Limited
ISBN : 9781781252888

Description:

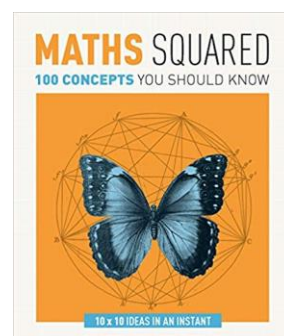
In How to Bake Pi, each chapter begins with a recipe for a dessert, to illustrate the commonalities in the methods and principles of mathematics and cooking. The author, Math professor Eugenia Cheng provides an accessible introduction to the logic and beauty of mathematics, powered, unexpectedly, by insights from the kitchen. She serves up a delectable spread of moreish mathematical puzzles and culinary analogies – including Mobius bagels, Euclid's flourless chocolate cake and apple π - to show just how tasty mathematics can be. Her miraculous gluten-free, vegan, sugar-free, low-fat, raw chocolate cookies are sure to satisfy even the fussiest eater, and this book is a foolproof recipe for a mouth-watering mathematical feast too.



2. Title : Maths Squared: 100 concepts you should know
Author : Rachel Thomas, Marianne Freiberger
Publisher : Apple Press
ISBN : 9781845436452

Description:

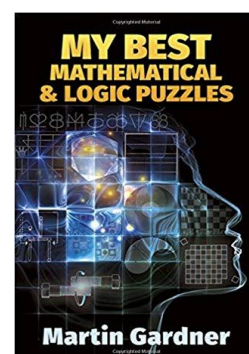
Maths Squared is an ideal reintroduction to the mysterious and magical world of numbers. Across 10 chapters and 100 topics, it takes you on a whistlestop tour from the essentials of numbers and arithmetic to the strange outer limits where mathematics and philosophy merge. Along the way, it looks at many of the key problems that have led to mathematical breakthroughs, and some of those which remain unsolved.



3. Title : My Best Mathematical & Logic Puzzles
Author : Martin Gardner
Publisher : Dover Publications
ISBN : 978-0-486-28152-0

Description:

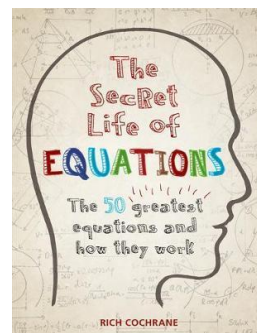
This book contains 66 mathematical and logic puzzles specially selected by the famous author Martin Gardner. Don't miss this chance to challenge your solving skills with such stimulating mind-benders as The Returning Explorer, The Fork in the Road, Touching Cigarettes...! Even if you cannot solve the problems, go ahead to read the solutions and explanations. You will find them interesting and inspiring!



4. Title : The Secret Life of Equations: The 50 Greatest Equations and How They Work
Author : Richard Cochrane
Publisher : Octopus Publishing Group
ISBN : 9781844038589

Description:

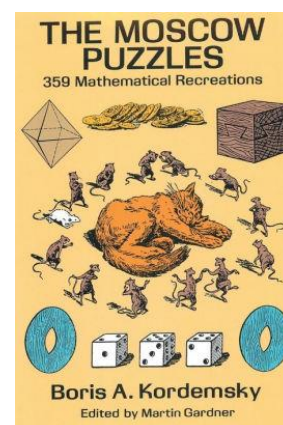
Cochrane covers 50 equations with many illustrations and photos, without the benefit of jargon or assumed knowledge. He intends to make the general ideas plain and indicate ways in which those ideas can talk to each other, sometimes across widely different parts of mathematics, science and everyday life. He defines the terms of the equations and uses simple metaphors and examples to explain frequently daunting concepts. He also explains their applications in GPS technology, roller coaster design, financial markets, and pressure cookers, which may help readers gain a stronger appreciation of math's relevance.



5. Title : The Moscow Puzzles 359 Mathematical Recreations
Author : Boris A. Kordemsky
Publisher : Dover
ISBN : 978-0-486-27078-4

Description:

This is the best and most popular puzzle book ever published in Russia. It includes a variety of puzzles ranging from simple 'catch' riddles to difficult problems. Most of the puzzles are illustrated with clear diagrams and amusing sketches. As a brain teaser puzzle lover, you shouldn't miss this book.



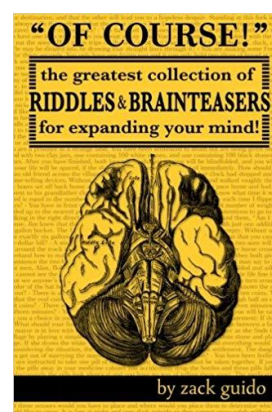
6. Title : Of Course! The greatest collection of riddles & brainteasers for expanding your mind!
Author : Zack Guido
Publisher : Zack Guido
ISBN : 978-0692268520

Description:

This book is a curated collection of riddles and brainteasers. They present challenging scenarios that stimulate your brain and engage the problem-solving portion of your mind.

The riddles vary in style, difficulty, and complexity. In this book you will figure out how to cross bridges in some constraint, how to transport bananas through the desert and how to save hundreds of peoples' lives.

Let me give you one of the riddles as warm up. "My favorite food is the one where you throw away the outside and cook the inside, then you eat the outside and throw away the inside!" What is my favorite food?



Ans: Corn on the cob