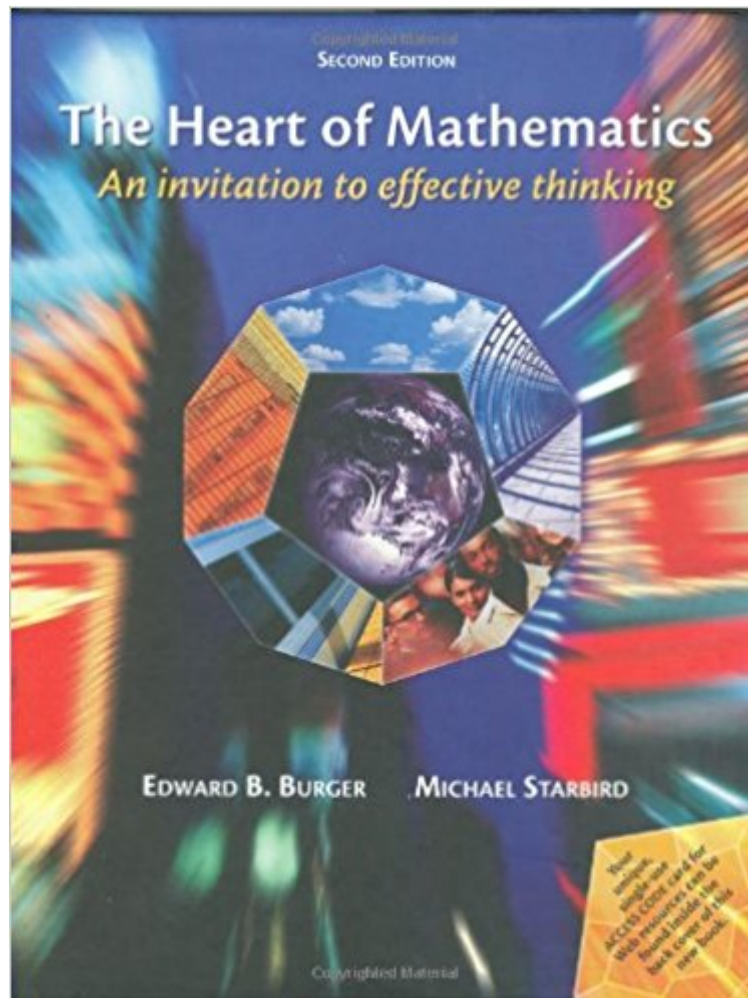




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# The Heart Of Mathematics: An Invitation To Effective Thinking



## Synopsis

The Heart of Mathematics addresses the big ideas of mathematics (many of which are cutting edge research topics) in a non-computational style intended to be both read and enjoyed by students and instructors, as well as by motivated general readers. It features an engaging, lively, humorous style full of surprises, games, mind-benders, and all without either sacrificing good mathematical thought or relying on mathematical computation or symbols. The authors are award-winning authors, holding awards such as: Distinguished Teaching Award (Burger, from the Mathematical Association of America); Chauvenet Prize (the best expository mathematics writer in the world, Burger, from the MAA) and many others.

## Book Information

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## Customer Reviews

From the reviews of the second edition: "In this book, the reader will see that mathematics is a network of intriguing ideas  $\hat{=}$  . It is a really nice book.  $\hat{=}$  This attractive book contains a lot of well-known and interesting problems  $\hat{=}$  . It is really true that the ideas presented in this book are some of the most fascinating and beautiful ones around.  $\hat{=}$  The reader will have something to explore, to learn, to think, to enjoy, and to add new aspects to his view of everything." (Valentina Dagien $\hat{=}$ , Zentralblatt MATH, Vol. 1065, 2005)

This book rambles on and on again. The first few chapters are the worst as you go into the other chapters in the book it does get a little better. This book is a prime example, of "people will publish anything for money". Our Professor has requested a new book hopefully a new book author is

approved. We had to use this book and it sucked, so I hope the next students won't have too.

As promised, this book makes math fun. I've been out of college for over 40 years, and I am having a ball with this book. I always liked math, it just did not like me. Learning the math of the Universal Product Code (UPC) and Bank Account Routing numbers was worth the price of the book.

I really liked this book, even as a mathematics major. It was a great introduction to areas of math I thought I had no interest in as well as a good overview of effective mathematical thinking. After reading this book and taking a course that went along with it I developed a new-found interest in graph theory, which was an area I thought I hated. If you think you hate mathematics, this is a good book for you. The explanations of seemingly-intimidating concepts are clear and there are lots of explanations of how you see these phenomena in the "real world." Overall, I highly recommend this.

Not very detailed but , good.

Well written, covering a universe of mathematical concepts at their fundamental levels, a suitable read for any student of mathematics, and not requiring any sophisticated prior understanding. The book is sold with a kit of simple physical models that was missing from my used copy, presenting only a minor and occasional inconvenience. The literary style is clearly directed to the high school and early college student readership, but the concepts are mature and well developed.

Thanks

This book isn't like any other math book I've ever used. It's an exercise in critical and creative thinking, while using math as the foundation of its principles. Math should be taught this way in schools. I am sure the performance of our population would skyrocket if math teachers understood how to engage their students these ways.

Math is one subject that I just can't wrap my brain around. Now that I've been out of high school for some time now, I thought I would give it another go; I wasn't disappointed with this book.

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