

# Do the Math



## The Proof and the Pudding

What Mathematicians, Cooks, and You Have in Common

*Jim Henle*

Tie on your apron and step into Jim Henle's kitchen as he demonstrates how two equally savory pursuits—cooking and mathematics—have more in common than you realize. A tasty dish for gourmets of popular math, *The Proof and the Pudding* offers a witty and flavorful blend of mathematical treats and gastronomic delights that reveal how life in the mathematical world is tantalizingly similar to life in the kitchen.

Cloth \$26.95



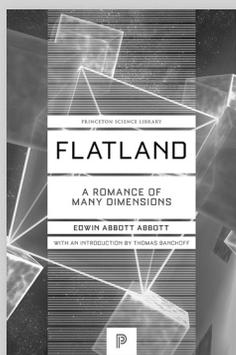
## Single Digits

In Praise of Small Numbers

*Marc Chamberland*

Why do eight perfect card shuffles leave a standard deck of cards unchanged? Are there really "six degrees of separation" between all pairs of people? And how can any map need only four colors to ensure that no regions of the same color touch? In *Single Digits*, Marc Chamberland takes readers on a fascinating exploration of small numbers, from one to nine, looking at their history, applications, and connections to various areas of mathematics.

Cloth \$26.95



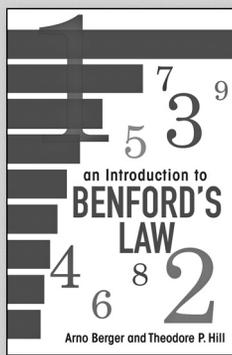
## Flatland

A Romance of Many Dimensions

*Edwin Abbott Abbott*

In 1884, Edwin Abbott Abbott published a mathematical adventure set in a two-dimensional plane world, populated by a hierarchical society of regular geometrical figures who think and speak and have all-too-human emotions. Since then *Flatland* has fascinated generations of readers, becoming a perennial science-fiction favorite.

Princeton Science Library  
Paper \$12.95

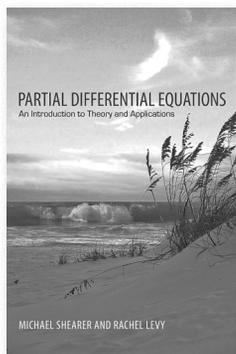


## An Introduction to Benford's Law

*Arno Berger & Theodore P. Hill*

This book provides the first comprehensive treatment of Benford's law, the surprising logarithmic distribution of significant digits discovered in the late nineteenth century. Establishing the mathematical and statistical principles that underpin this intriguing phenomenon, the text combines up-to-date theoretical results with overviews of the law's colorful history, rapidly growing body of empirical evidence, and wide range of applications.

Cloth \$75.00



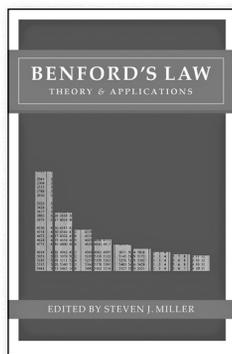
## Partial Differential Equations

An Introduction to Theory and Applications

*Michael Shearer & Rachel Levy*

This textbook provides beginning graduate students and advanced undergraduates with an accessible introduction to the rich subject of partial differential equations (PDEs). It presents a rigorous and clear explanation of the more elementary theoretical aspects of PDEs, while also drawing connections to deeper analysis and applications.

Cloth \$85.00



## Benford's Law

Theory and Applications

*Edited by Steven J. Miller*

Benford's law states that the leading digits of many data sets are not uniformly distributed from one through nine, but rather exhibit a profound bias. This bias is evident in everything from electricity bills and street addresses to stock prices, population numbers, mortality rates, and the lengths of rivers. Here, Steven Miller brings together many of the world's leading experts on Benford's law to demonstrate the many useful techniques that arise from the law, show how truly multidisciplinary it is, and encourage collaboration.

Cloth \$75.00