

<<Mathematics is not a>>

图书基本信息

书名：<<Mathematics is not a spectator sport数学不是一种观赏性体育项目>>

13位ISBN编号：9780387255286

10位ISBN编号：0387255281

出版时间：2005-7

作者：Phillips, George M.

页数：240

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<Mathematics is not a>>

内容概要

It is often said that mathematics and music go together, and that people with a special aptitude for mathematics often have similar gifts in music. Some music is very profound, and listeners find that there is far more in it than they appreciated at a first hearing. A similar point can be made about an understanding of mathematics. This book introduces the reader to various topics in mathematics and is intended for precocious high school students and college students just beginning their study of mathematics. The topics discussed in this book include a variety of results in number theory involving squares, and also complex numbers, early algebraic ideas such as the Euclidean algorithm, geometrical constructions created by the Greeks, and more recent topics such as group theory.

<<Mathematics is not a>>

书籍目录

Preface
 1 Squares 1 . 1 Square and Triangular Numbers 1 . 2 Pythagoras ' S Theorem 1 . 3 The Equation $a^2+b^2=C^2$ 1 . 4 Sum of TWO Squares 1 . 5 Complex Numbers
 2 Numbers Everywhere 2 . 1 Difierent Bases 2 . 2 Congruences 2 . 3 Continued Fractions 2 . 4 The Euclidean Algorithm 2 . 5 Infinity
 3 Fibonacci Numbers 3 . 1 Recurrence Relations 3 . 2 Fibonacci and Lucas Numbers 3 . 3 The Golden Section
 4 Prime Numbers 4 . 1 Introduction 4 . 2 The Distribution of Primes 4 . 3 Large Primes 4 . 4 The Riemann Hypothesis
 5 Choice and Chance 5 . 1 Arrangements and Permutations 5 . 2 Binomial Coemcients 5 . 3 Probability . 6 Geometrical Constructions 6 . 1 Ruler and Compasses 6 . 2 Unsolvable Problems 6 . 3 Properties of the Triangle 6 . 4 Coordinate Geometry 6 . 5 Regular Polyhedra
 7 The Algebra of Groups 7 . 1 Introduction 7 . 2 Groups 7 . 3 Subgroups 7 . 4 Permutation Groups 7 . 5 Further Material 7 . 6 Groups of Small order 7 . 7 Dihedral and Polyhedral Groups
 References
 Index

<<Mathematics is not a>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>