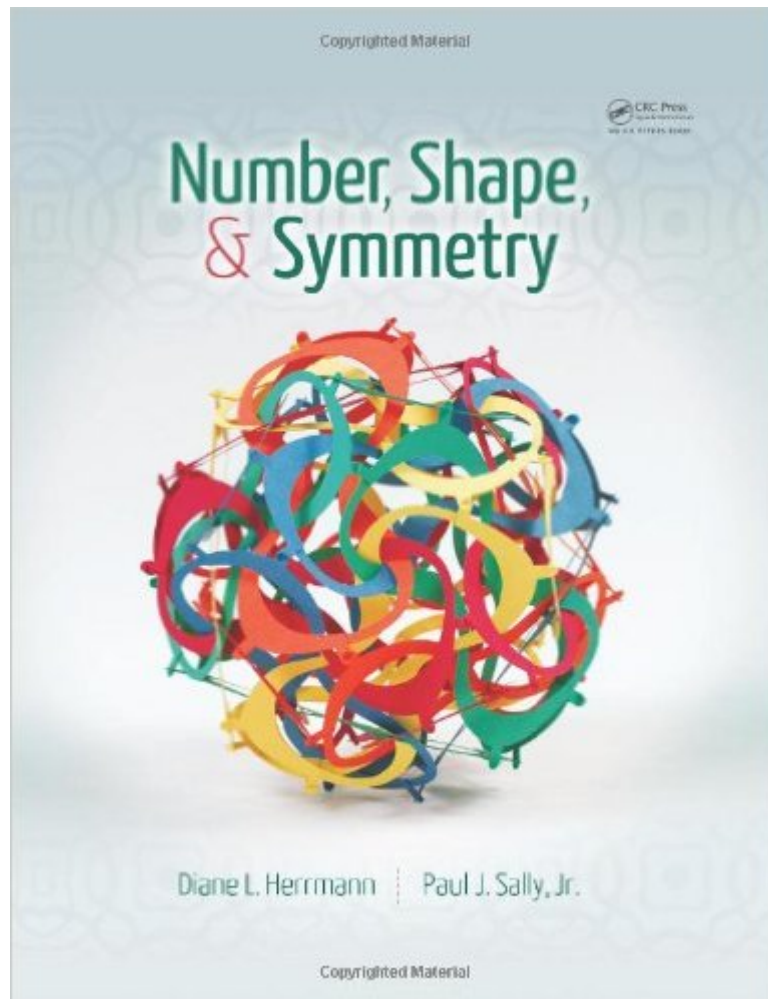


The book was found

Number, Shape, & Symmetry: An Introduction To Number Theory, Geometry, And Group Theory



Synopsis

Through a careful treatment of number theory and geometry, *Number, Shape, & Symmetry: An Introduction to Number Theory, Geometry, and Group Theory* helps readers understand serious mathematical ideas and proofs. Classroom-tested, the book draws on the authors'™ successful work with undergraduate students at the University of Chicago, seventh to tenth grade mathematically talented students in the University of Chicago's™ Young Scholars Program, and elementary public school teachers in the Seminars for Endorsement in Science and Mathematics Education (SESAME). The first half of the book focuses on number theory, beginning with the rules of arithmetic (axioms for the integers). The authors then present all the basic ideas and applications of divisibility, primes, and modular arithmetic. They also introduce the abstract notion of a group and include numerous examples. The final topics on number theory consist of rational numbers, real numbers, and ideas about infinity. Moving on to geometry, the text covers polygons and polyhedra, including the construction of regular polygons and regular polyhedra. It studies tessellation by looking at patterns in the plane, especially those made by regular polygons or sets of regular polygons. The text also determines the symmetry groups of these figures and patterns, demonstrating how groups arise in both geometry and number theory. The book is suitable for pre-service or in-service training for elementary school teachers, general education mathematics or math for liberal arts undergraduate-level courses, and enrichment activities for high school students or math clubs.

Book Information

Hardcover: 444 pages

Publisher: A K Peters/CRC Press; 1 edition (October 18, 2012)

Language: English

ISBN-10: 1466554649

ISBN-13: 978-1466554641

Product Dimensions: 7.7 x 1.2 x 9.3 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (1 customer review)

Best Sellers Rank: #107,875 in Books (See Top 100 in Books) #10 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Group Theory #14 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Functional Analysis #24 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Number Theory

Customer Reviews

Good book. I like it. It have easy explanation that I can follow. If you need it, you can buy it.

[Download to continue reading...](#)

Number, Shape, & Symmetry: An Introduction to Number Theory, Geometry, and Group Theory
Molecular Symmetry and Group Theory : A Programmed Introduction to Chemical Applications, 2nd
Edition Molecular Symmetry and Group Theory: A Programmed Introduction to Chemical
Applications Symmetry: An Introduction to Group Theory and Its Applications (Dover Books on
Physics) Molecular Symmetry and Group Theory Get In Shape With Exercise Ball Training: The 30
Best Exercise Ball Workouts For Sexy Abs And A Slim Body At Home (Get In Shape Workout
Routines and Exercises Book 2) A Friendly Introduction to Number Theory (4th Edition) (Featured
Titles for Number Theory) Geometry Illuminated: An Illustrated Introduction to Euclidean and
Hyperbolic Plane Geometry (Maa Textbooks) Flying Tigers Colors: Camouflage and Markings of the
American Volunteer Group and the USAAF 23rd Fighter Group, 1941-1945 (Warplane Color
Gallery) Group Techniques for Program Planning: A Guide to Nominal Group and Delphi Processes
Brief Group Treatment: Practical Training for Therapists and Counselors (Group Counseling)
Flashcard Study System for the ACE Group Fitness Instructor Exam: ACE Test Practice Questions
& Review for the American Council on Exercise Group Fitness Instructor Exam EROTICA: BUNDLE
- TABOO BOOKS (SWINGERS, CUCKOLD, INTERRACIAL, SHARING, THREESOME, HOTWIFE
SHORT SEX STORIES COLLECTION, BDSM GROUP, SEXY FF MM GROUP SERIES)
Geometry, Study Guide and Intervention Workbook (MERRILL GEOMETRY) Symmetry and
Spectroscopy: An Introduction to Vibrational and Electronic Spectroscopy (Dover Books on
Chemistry) Open Geometry: OpenGL® + Advanced Geometry Geometry (Holt McDougal Larson
Geometry) Glencoe Geometry, Student Edition (MERRILL GEOMETRY) Geometry Student Edition
CCSS (MERRILL GEOMETRY) Holt McDougal Accelerated Coordinate Algebra/Analytic Geometry
A Georgia: Student Workbook Coordinate Algebra/Analytic Geometry A

[Dmca](#)