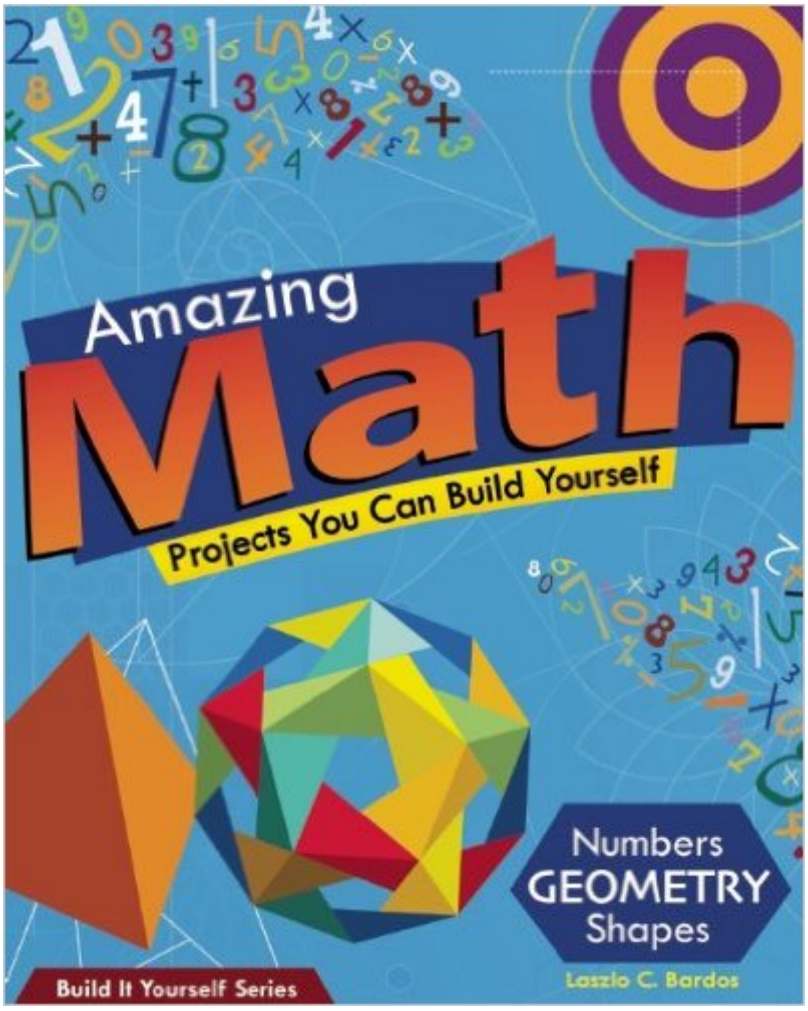
Amazing Math Projects: Projects You Can Build Yourself (Build It Yourself)



Synopsis

Make a geodesic dome big enough to sit in. Solve one of the worldâ ™s hardest two-piece puzzles. Pass a straight line through a curved slot.From prime numbers to paraboloids, Amazing Math Projects You Can Build Yourself introduces readers ages 9 and up to the beauty and wonder of math through hands-on activities. Kids will cut apart shapes to discover area formulas, build beautiful geometric models to explore their properties, and amaze friends with the mysterious MÃ¶bius strip.Learning through examples of how we encounter math in our daily lives, children will marvel at the mathematical patterns in snowflakes and discover the graceful curves in the Golden Gate Bridge. Readers will never look at soap bubbles the same way again!Amazing Math Projects You Can Build Yourself includes projects about number patterns, lines, curves, and shapes. Each activity includes intriguing facts, vocabulary builders, and connections to other topics. A companion website, includes video instructions for many projects in the book and provides additional activities.

Book Information

Lexile Measure: 990 (What's this?)

Series: Build It Yourself

Paperback: 128 pages

Publisher: Nomad Press; Act edition (June 1, 2010)

Language: English

ISBN-10: 193467057X

ISBN-13: 978-1934670576

Product Dimensions: 8 x 0.4 x 10 inches

Shipping Weight: 11.2 ounces (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 starsÂ Â See all reviewsÂ (4 customer reviews)

Best Sellers Rank: #563,619 in Books (See Top 100 in Books) #71 inÂ Books > Children's Books > Education & Reference > Math > Geometry #74 inÂ Books > Children's Books > Education & Reference > Math > Algebra #6551 inÂ Books > Children's Books > Activities, Crafts & Games > Activity Books

Age Range: 9 - 12 years

Grade Level: 3 - 7

Customer Reviews

Reviewed by: Kris Quinn ChristophersonSynopsis: From prime numbers to paraboloids, Amazing Math Projects You Can Build Yourself introduces readers to the beauty and wonder of math through

hands-on activities including projects about number patterns, lines, curves, and shapes. Learning through examples of how we encounter math in our daily lives, children will marvel at the mathematical patterns in snowflakes and discover the graceful curves in the Golden Gate Bridge. Readers will never look at soap bubbles the same way again. A companion website includes video instructions for many projects in the book and provides additional activities.Overall thoughts: Math was not my favorite, nor my best, subject in school, so I was a bit apprehensive about reading this book. However, it was an interesting read and allowed this hesitant math student to enjoy the idea of making a geodesic dome big enough to sit in.The book jumped right into the simplest arithmetic and moved its way to higher mathematical concepts. Filled with illustrations, `did you know' blurbs, and `words 2 know', it allows even the mathematical novice to be engaged in the concepts. I appreciated that the projects were written in clear and easy-to-understand formats, and included supply lists with on-hand items to implement concepts such as the Pythagorean Theorem and platonic solids. With this book, you can definitely build projects to enhance your math skills and classes if enrolled in school, but it is not a text book.

This book is a wonderful way to teach your children about the world of geometery, and have fun in the process. I've purchased three of these books. Two are gifts but one is for this grandma to share with the young people in my life.

This book is intended to kids ages 9 and up and my 10 year old was interested in the book right away. We both loved the hands-on learning activities that are used in really creative ways. The activity used to teach multiplying fraction was especially helpful in helping my daughter to understand the concept of fractions. Many of the projects in Amazing Math Projects You Can Build Yourself seem more like games than learning, which is what makes this group of projects so much fun that your child will love completing them! There is also a companion website [...]that includes video instructions for some of the projects as well as additional activities. Great addition to your child's home library!

I purchased this book a month ago and have already used two of the projects in class--Tetrahedral kites and the Geodesic dome. My students loved them! The materials required for each are inexpensive and easily purchased. Students had little difficulty completing the projects, though they needed a bit of help following the construction directions for the dome. Construction and assembly took approximately 1.5 hours. Nearly all students asked to sit inside the dome. We clipped the 7th

and 8th graders' domes together to make a sphere approximately 5 feet tall.Several other projects in the book look stimulating and interesting to make (bubble patterns, abacus). I look forward to trying them with students.I gave this book only 4 stars because many of the projects in this book are things I've already learned from other sources. However, a new teacher might benefit from reading them.

Amazing Math Projects: Projects You Can Build Yourself (Build It Yourself) Amazing Math Projects You Can Build Yourself (Build It Yourself series) Amazing Leonardo da Vinci Inventions: You Can Build Yourself (Build It Yourself) Amazing BEN FRANKLIN Inventions: You Can Build Yourself (Build It Yourself) Amazing Leonardo da Vinci Inventions You Can Build Yourself (Build It Yourself series) Great Colonial America Projects: You Can Build Yourself (Build It Yourself) Great Ancient China Projects You Can Build Yourself (Build It Yourself) GREAT WORLD WAR II PROJECTS: YOU CAN BUILD YOURSELF (Build It Yourself) Great Medieval Projects: You Can Build Yourself (Build It Yourself) Amazing Kitchen Chemistry Projects You Can Build Yourself Secrets of Mental Math: The Mathemagician's Guide to Lightning Calculation and Amazing Math Tricks Cool Paper Folding: Creative Activities That Make Math & Science Fun for Kids!: Creative Activities That Make Math & Science Fun for Kids! (Cool Art with Math & Science) Math For Everyone Combo Book Hardcover: 7th Grade Math, Algebra I, Geometry I, Algebra II, Math Analysis, Calculus Math in Focus: Student Workbook 2A (Math in Focus: Singapore Math) I CAN CAN RELISHES, Salsa, Sauces & Chutney!!: How to make relishes, salsa, sauces, and chutney with quick, easy heirloom recipes from around the ... (I CAN CAN Frugal Living Series) (Volume 3) Paper Robots: 25 Fantastic Robots You Can Build Yourself Build Your Dream Body: Breaking the Lies and Myths of the Fitness Industry so You Can Build Lean, Hard Muscle and Shred Fat Using Simple and Proven Techniques That Get Results Practical Paracord Projects: Survival Bracelets, Lanyards, Dog Leashes, and Other Cool Things You Can Make Yourself The Backyard Homestead Book of Building Projects: 76 Useful Things You Can Build to Create Customized Working Spaces and Storage Facilities, Equip the ... Animals, and Make Practical Outdoor Furniture Treehouses and other Cool Stuff: 50 Projects You Can Build