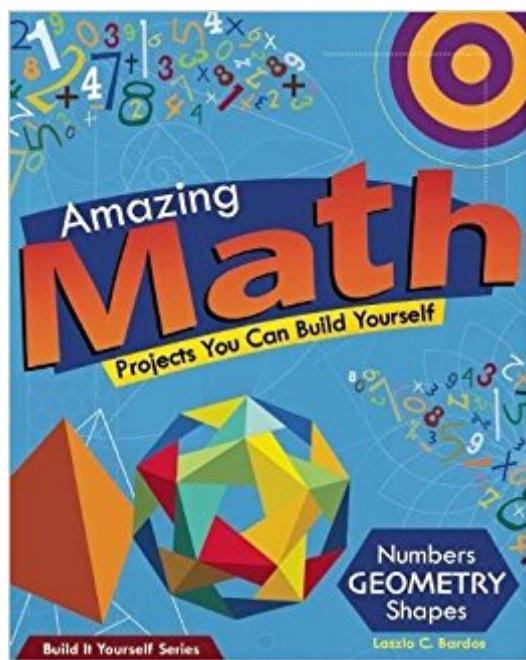


The book was found

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 world'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 Möbius 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)

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Product Dimensions: 8 x 0.4 x 10 inches

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

Average Customer Review: 4.4 out of 5 stars 4 customer reviews

Best Sellers Rank: #288,818 in Books (See Top 100 in Books) #46 in Books > Children's Books > Education & Reference > Math > Algebra #61 in Books > Children's Books > Education & Reference > Math > Geometry #4329 in Books > Children's Books > Activities, Crafts & Games > Activity Books

Age Range: 9 - 12 years

Grade Level: 3 - 7

Customer Reviews

Gr 4-7-This activity book is illustrated with lively black-and-white cartoon figures and shapes to

reproduce, cut out, and construct. Many of the projects will require adult help for understanding and manipulation. The focus is on geometry, numbers, and shapes and includes levels of math from mere counting to Fibonacci sequences to the hyperboloid. The brightly colored cover draws readers in but the dense text might turn off those with less understanding of math. There are step-by-step instructions clearly numbered for each project and quick explanations about the math involved. While many patterns are included, they must be enlarged or reproduced on heavier paper so a copier is necessary. While individuals are instructed to copy patterns, no copyright privileges are extended for teachers or schools, making this a home-use product only.-Erlene Bishop Killeen, Stroughton Area School District, WI (c) Copyright 2010. Library Journals LLC, a wholly owned subsidiary of Media Source, Inc. No redistribution permitted.

Library Media Connection"Wanting how to make math fun or how to encourage students to see math as an interesting subject? This book shows readers how math concepts can be learned using readily available items. Sections cover number patterns, lines, curves, and shapes. Introducing the concepts through hands-on activities conveys how mathematics is not as scary as many think. Chapters provide directions for the activities, along with other facts, and “words 2 know." Students will appreciate the fun, creative activities. Younger readers may have difficulty with some of the vocabulary. Bibliography. Glossary. Index.[Editorâ"çs Note: An additional activity and facts are available at the publisherâ"çs website.] Recommended."CLEAR Review"This book is full of hands-on math projects that are easy and fun. From interesting applications of numbers and counting, to geometric shapes and even experiments with bubbles, this book is sure to make math fun! It carefully explains each mathematical concept and includes vocabulary that reinforces the narrative. Then the concept is applied to a project or game, including fun facts. This book will get lots of attention and use for sure."Magnus Wenninger Fr.“A wonderful book, I am utterly delighted and pleased with its vast mathematical content. The book begins with the simplest notions of arithmetic and proceeds on to geometry and all kinds of higher math, with plenty of hands-on constructions and do-it-yourself suggestions.David Bressoud, the DeWitt Wallace Professor of Mathematics, Macalester College; President, Mathematical Association of America“…Very hands-on and easy to get into and draws students into an active engagement with mathematical ideas. Well done!â"ç

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.

This book is a wonderful way to teach your children about the world of geometry, 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.

Reviewed by: Kris Quinn Christopherson Synopsis: 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 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!

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