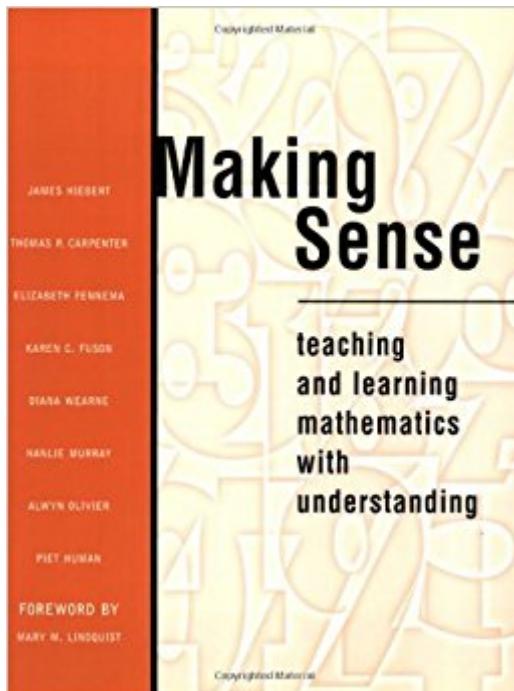


The book was found

# Making Sense: Teaching And Learning Mathematics With Understanding



## **Synopsis**

The key to effective math learning lies not in the regurgitation of isolated facts but in the ability to reason with and use what is learned - in understanding the concepts. But what does it mean to design a classroom so that understanding is the primary objective? What would a system of instruction look like if we took seriously the goal of helping all students understand mathematics? In this ground-breaking book, James Hiebert and his colleagues arm teachers with the best current research-based ideas for designing - and defending - classrooms that support students' mathematical understanding. It is based on the authors' work in four separate research programs, all of which investigated the effects of specific instructional approaches. Out of their ongoing discussions emerged a striking consensus about what features are essential and what features are optional, which they share in this book. They also provide glimpses into their individual projects and into the classrooms from which they have drawn many of their ideas. By describing the essential features of classrooms that support students' mathematical understanding and by offering pictures of several classrooms that exhibit these features, *Making Sense* provides a valuable framework within which elementary teachers can reflect on their own practice and think again about what it means to teach for understanding.

## **Book Information**

Paperback: 208 pages

Publisher: Heinemann; 1 edition (April 21, 1997)

Language: English

ISBN-10: 2854186052

ISBN-13: 978-0435071325

ASIN: 0435071327

Product Dimensions: 7.1 x 0.5 x 9 inches

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

Average Customer Review: 4.8 out of 5 starsÂ  See all reviewsÂ  (9 customer reviews)

Best Sellers Rank: #67,360 in Books (See Top 100 in Books) #34 inÂ  Books > Science & Math > Mathematics > Popular & Elementary > Arithmetic #184 inÂ  Books > Education & Teaching > Schools & Teaching > Instruction Methods > Mathematics #237 inÂ  Books > Textbooks > Education > Elementary Education

Age Range: 5 - 10 years

Grade Level: Kindergarten - 5

## Customer Reviews

This book should be required reading for all math teachers working at the elementary level. It is an inspiring reminder that math is so much more than memorizing processes.

This book is perfect for any teacher that wants to teach children math, so that they will learn with understanding. This book examines the elements that are necessary in a classroom that teaches with understanding. This book also examines several different, diverse classrooms that serve as examples. This book is an excellent resource and will help any existing or pre-service teacher better understand mathematics and how to teach mathematics within the classroom.

This book was done really well. It really explained how to teach children math not just by memorization, but to fully comprehend it.

Even though this was for a college course, I enjoyed reading this book. It gave me some good ideas on things to do in my math classroom.

Great

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

Soap Making: 365 Days of Soap Making (Soap Making, Soap Making Books, Soap Making for Beginners, Soap Making Guide, Soap Making Recipes, Soap Making Supplies): Soap Making Recipes for 365 Days Making Sense: Teaching and Learning Mathematics with Understanding Learning: 25 Learning Techniques for Accelerated Learning - Learn Faster by 300%! (Learning, Memory Techniques, Accelerated Learning, Memory, E Learning, ... Learning Techniques, Exam Preparation) Knowing and Teaching Elementary Mathematics: Teachers' Understanding of Fundamental Mathematics in China and the United States (Studies in Mathematical Thinking and Learning Series) Elementary and Middle School Mathematics: Teaching Developmentally (8th Edition) (Teaching Student-Centered Mathematics Series) Learn: Cognitive Psychology - How to Learn, Any Skill or Subject in 21 Days! (Learn, Learning Disability, Learning Games, Learning Techniques, Learning ... Learning, Cognitive Science, Study) Jewelry Making: Jewelry Making Instructions to Easily Create Beautiful Pendants, Bracelets, Earrings, and Necklaces (Jewelry Making Books, jewelry making for dummies, jewelry making tools) Jewelry Making: 33 Tips and Advices For Making Unique Earrings (jewelry making, jewelry making books, jewelry making kits)

Chart Sense for Writing: Over 70 Common Sense Charts with Tips and Strategies to Teach 3-8 Writing Chart Sense: Common Sense Charts to Teach 3-8 Informational Text and Literature Understanding Bergson, Understanding Modernism (Understanding Philosophy, Understanding Modernism) Wine Making: Beginner Wine Making! The Ultimate Guide to Making Delicious Wine at Home (Home Brew, Wine Making, Red Wine, White Wine, Wine Tasting, Cocktails, ... Vodka recipes, Jello Shots Beer Brewing) Handbook of Design Research Methods in Education: Innovations in Science, Technology, Engineering, and Mathematics Learning and Teaching Teaching Learning Strategies and Study Skills To Students with Learning Disabilities, Attention Deficit Disorders, or Special Needs, 3rd Edition (For Middle School & High School) Mathematical Discovery on Understanding, Learning, and Teaching Problem Solving, Volume II Creating a Sense of Presence in Online Teaching: How to "Be There" for Distance Learners You're Not Crazy And You're Not Alone: Losing the Victim, Finding Your Sense of Humor, and Learning to Love Yourself Through Hashimoto's Winning The Lottery: The "How to Win the Lottery" Manual where Mathematics Meets Common Sense Sound Sense: Living and Learning with Hearing Loss Cats: The Cool Cat Fun Facts & Amazing Pictures eBook Guide - Cat Supplies - Cat Gifts, Pet Supplies, Cat Sense, Childrens Books, Children's Education, Education Books, Learning Resources, Education

[Dmca](#)