Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas

By Thomas E. Gilsdorf

Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf

Challenges readers to think creativelyabout mathematics and ponder its role in their own daily lives

Cultural mathematics, or ethnomathematics as it is also known, studies the relationship between mathematics and culture—with the ultimate goal of contributing to an appreciation of the connection between the two. *Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas* integrates both theoretical and applied aspects of the topic, promotes discussions on the development of mathematical concepts, and provides a comprehensive reference for teaching and learning about multicultural mathematical practices.

This illuminating book provides a nontraditional, evidence-based approach to mathematics that promotes diversity and respect for cultural heritages. Part One covers such major concepts as cultural aspects of mathematics, numeration and number symbols, kinship relations, art and decoration, games, divination, and calendars. Part Two takes those concepts and applies them to fascinating case studies of both the Otomies of Central Mexico and the Incas of South America.

Throughout the book, numerous illustrations, examples, and motivational questions promote an interactive understanding of the topic. Each chapter begins with questions that encourage a cooperative, inquiry-based approach to learning and concludes with a series of exercises that allow readers to test their understanding of the presented material.

Introduction to Cultural Mathematics is an ideal book for courses on cultural mathematics, the history of mathematics, and cultural studies. The book is also a valuable resource and reference for anyone interested in the connections between mathematics, culture, anthropology, and history.

Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas

By Thomas E. Gilsdorf

Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf

Challenges readers to think creativelyabout mathematics and ponder its role in their own daily lives

Cultural mathematics, or ethnomathematics as it is also known, studies the relationship between mathematics and culture—with the ultimate goal of contributing to an appreciation of the connection between the two. *Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas* integrates both theoretical and applied aspects of the topic, promotes discussions on the development of mathematical concepts, and provides a comprehensive reference for teaching and learning about multicultural mathematical practices.

This illuminating book provides a nontraditional, evidence-based approach to mathematics that promotes diversity and respect for cultural heritages. Part One covers such major concepts as cultural aspects of mathematics, numeration and number symbols, kinship relations, art and decoration, games, divination, and calendars. Part Two takes those concepts and applies them to fascinating case studies of both the Otomies of Central Mexico and the Incas of South America.

Throughout the book, numerous illustrations, examples, and motivational questions promote an interactive understanding of the topic. Each chapter begins with questions that encourage a cooperative, inquiry-based approach to learning and concludes with a series of exercises that allow readers to test their understanding of the presented material.

Introduction to Cultural Mathematics is an ideal book for courses on cultural mathematics, the history of mathematics, and cultural studies. The book is also a valuable resource and reference for anyone interested in the connections between mathematics, culture, anthropology, and history.

Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf Bibliography

- Sales Rank: #2177803 in Books
- Brand: Brand: Wiley
- Published on: 2012-04-17
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x .90" w x 6.45" l, 1.30 pounds
- Binding: Hardcover
- 306 pages

⬇ **Download** Introduction to Cultural Mathematics: With Case St ...pdf

🗎 **Read Online** Introduction to Cultural Mathematics: With Case ...pdf

Download and Read Free Online Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf

Editorial Review

From the Back Cover

Challenges readers to think creatively about mathematics and ponder its role in their own daily lives

Cultural mathematics, or ethnomathematics as it is also known, studies the relationship between mathematics and culture—with the ultimate goal of contributing to an appreciation of the connection between the two. Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas integrates both theoretical and applied aspects of the topic, promotes discussions on the development of mathematical concepts, and provides a comprehensive reference for teaching and learning about multicultural mathematical practices.

This illuminating book provides a nontraditional, evidence-based approach to mathematics that promotes diversity and respect for cultural heritages. Part One covers such major concepts as cultural aspects of mathematics, numeration and number symbols, kinship relations, art and decoration, games, divination, and calendars. Part Two takes those concepts and applies them to fascinating case studies of both the Otomies of Central Mexico and the Incas of South America.

Throughout the book, numerous illustrations, examples, and motivational questions promote an interactive understanding of the topic. Each chapter begins with questions that encourage a cooperative, inquiry-based approach to learning and concludes with a series of exercises that allow readers to test their understanding of the presented material.

Introduction to Cultural Mathematics is an ideal book for courses on cultural mathematics, the history of mathematics, and cultural studies. The book is also a valuable resource and reference for anyone interested in the connections between mathematics, culture, anthropology, and history.

About the Author

THOMAS E. GILSDORF, PhD, is Professor in the Mathematics Department at the University of North Dakota. He has long been interested in topics such as anthropology and languages, and he has traveled to archaeological sites and cultural centers of numerous pre-Hispanic and indigenous cultures to study mathematics in a cultural context. Dr. Gilsdorf has published and presented research on cultural mathematics, as well as locally convex spaces.

Users Review

From reader reviews:

Bill Bobby:

Do you have favorite book? For those who have, what is your favorite's book? Publication is very important thing for us to be aware of everything in the world. Each publication has different aim or even goal; it means that book has different type. Some people feel enjoy to spend their time for you to read a book. They can be reading whatever they take because their hobby is usually reading a book. How about the person who don't like reading a book? Sometime, person feel need book if they found difficult problem or maybe exercise.

Well, probably you will require this Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas.

Kimberly Langdon:

Reading can called head hangout, why? Because if you are reading a book specially book entitled Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas your thoughts will drift away trough every dimension, wandering in most aspect that maybe unfamiliar for but surely will end up your mind friends. Imaging just about every word written in a publication then become one web form conclusion and explanation that maybe you never get just before. The Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas giving you one more experience more than blown away the mind but also giving you useful details for your better life within this era. So now let us teach you the relaxing pattern at this point is your body and mind will likely be pleased when you are finished looking at it, like winning an activity. Do you want to try this extraordinary spending spare time activity?

Mary James:

Is it you actually who having spare time and then spend it whole day by means of watching television programs or just lying on the bed? Do you need something new? This Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas can be the solution, oh how comes? A book you know. You are and so out of date, spending your free time by reading in this brand-new era is common not a geek activity. So what these publications have than the others?

Jose Said:

Don't be worry when you are afraid that this book will filled the space in your house, you will get it in e-book way, more simple and reachable. This specific Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas can give you a lot of friends because by you checking out this one book you have thing that they don't and make anyone more like an interesting person. That book can be one of one step for you to get success. This reserve offer you information that might be your friend doesn't recognize, by knowing more than some other make you to be great men and women. So , why hesitate? Let us have Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas.

Download and Read Online Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf #MEA4ITXJHV9

Read Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf for online ebook

Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf books to read online.

Online Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf ebook PDF download

Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf Doc

Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf Mobipocket

Introduction to Cultural Mathematics: With Case Studies in the Otomies and Incas By Thomas E. Gilsdorf EPub