



Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press)

By Charalampos Lemonidis

Download now

Read Online 

Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis

Mental calculations and estimations are basic, everyday skills that are essential for real-life arithmetic operations and number sense. This book presents a much needed overview and analysis of mental computation and estimation, drawing on contemporary research and empirical studies that were conducted on students, teachers and adults to cover all aspects of this complex field.

Mental Computation and Estimation analyses the implications that are involved in the research, teaching and learning of mathematics and delivers effective practices that will enhance everyday learning for students. Focusing on a range of international research and studies from the School of Nature and Life Mathematics in Greece, it answers a number of important questions including:

- What mental calculations and estimations are, why they are important and what other mathematical concepts and cognitive behaviors are they related to?
- What strategies are used on mental additions, subtractions, multiplications and divisions and how are multiplication tables learned?
- What are the new trends in the teaching of mental calculation and estimation?

An invaluable resource for all those involved in the practice and research of mathematics education, *Mental Computation and Estimation* will also be a useful tool for researchers, policy makers and developers of educational programs.

 [Download Mental Computation and Estimation: Implications fo ...pdf](#)

 [Read Online Mental Computation and Estimation: Implications ...pdf](#)

Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press)

By Charalampos Lemonidis

Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis

Mental calculations and estimations are basic, everyday skills that are essential for real-life arithmetic operations and number sense. This book presents a much needed overview and analysis of mental computation and estimation, drawing on contemporary research and empirical studies that were conducted on students, teachers and adults to cover all aspects of this complex field.

Mental Computation and Estimation analyses the implications that are involved in the research, teaching and learning of mathematics and delivers effective practices that will enhance everyday learning for students. Focusing on a range of international research and studies from the School of Nature and Life Mathematics in Greece, it answers a number of important questions including:

- What mental calculations and estimations are, why they are important and what other mathematical concepts and cognitive behaviors are they related to?
- What strategies are used on mental additions, subtractions, multiplications and divisions and how are multiplication tables learned?
- What are the new trends in the teaching of mental calculation and estimation?

An invaluable resource for all those involved in the practice and research of mathematics education, *Mental Computation and Estimation* will also be a useful tool for researchers, policy makers and developers of educational programs.

Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis **Bibliography**

- Published on: 2015-12-07
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .63" w x 6.14" l, .0 pounds
- Binding: Hardcover
- 248 pages

 [Download Mental Computation and Estimation: Implications fo ...pdf](#)

 [Read Online Mental Computation and Estimation: Implications ...pdf](#)

Download and Read Free Online Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis

Editorial Review

About the Author

Charalampos Lemonidis is Professor of Mathematics Education. He is currently the Director of Postgraduate Studies in the Department of Primary Education, University of Western Macedonia, Greece.

Users Review

From reader reviews:

Kurtis Henry:

Have you spare time for just a day? What do you do when you have a lot more or little spare time? Yeah, you can choose the suitable activity regarding spend your time. Any person spent their own spare time to take a stroll, shopping, or went to typically the Mall. How about open or read a book eligible Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press)? Maybe it is to get best activity for you. You realize beside you can spend your time together with your favorite's book, you can better than before. Do you agree with their opinion or you have various other opinion?

Drew Poland:

The reserve with title Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) has lot of information that you can learn it. You can get a lot of profit after read this book. That book exist new understanding the information that exist in this e-book represented the condition of the world currently. That is important to yo7u to understand how the improvement of the world. This kind of book will bring you throughout new era of the glowbal growth. You can read the e-book on your smart phone, so you can read this anywhere you want.

Fern Marshall:

Are you kind of busy person, only have 10 or 15 minute in your moment to upgrading your mind talent or thinking skill actually analytical thinking? Then you are receiving problem with the book compared to can satisfy your limited time to read it because all of this time you only find reserve that need more time to be examine. Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) can be your answer mainly because it can be read by anyone who have those short free time problems.

Harry Cofield:

Reading a book to become new life style in this year; every people loves to read a book. When you learn a book you can get a lot of benefit. When you read textbooks, you can improve your knowledge, due to the fact book has a lot of information into it. The information that you will get depend on what kinds of book that you have read. If you wish to get information about your review, you can read education books, but if you act like you want to entertain yourself look for a fiction books, this kind of us novel, comics, along with soon. The Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) offer you a new experience in looking at a book.

Download and Read Online Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis #QLOK5EBDHF8

Read Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis for online ebook

Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis 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 Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis books to read online.

Online Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis ebook PDF download

Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis Doc

Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis Mobipocket

Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis EPub

QLOK5EBDHF8: Mental Computation and Estimation: Implications for mathematics education research, teaching and learning (Isc2 Press) By Charalampos Lemonidis