

NUMBER

From ancient civilisations to the computer



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The Numeral Systems of Nigerian Languages Ndimele, Ozo-mekuri, Chan, Eugene S.L., 2016-04-30 The papers in this collection present the numeral systems of more than twenty Nigerian languages The papers mainly emanate from a workshop on the numeral systems of Nigerian languages organised by the Linguistic Association of Nigeria during its 23rd Annual Conference which was held at the University of Port Harcourt Nigeria The workshop arose from awareness created by Dr Eugene S L Chan on the need for Nigerian linguists to document this severely endangered but very important aspect of natural languages The quantum of mathematical computations addition multiplication subtraction or a combination of two or all of these involved in the numeral systems of Nigerian languages is remarkable The papers reveal that a variety of numeral systems do exist such as binary decimal incomplete decimal duodecimal quinary quaternary ternary mixed body part tally systems and much more The book is a resource about how different languages manipulate their numeral systems

Computing Yoshihide Igarashi, 2014-05-27 Exploring a vast array of topics related to computation *Computing A Historical and Technical Perspective* covers the historical and technical foundation of ancient and modern day computing The book starts with the earliest references to counting by humans introduces various number systems and discusses mathematics in early civilizations It gui

Disease and Healing in the Indus Civilisation Robert Arnott, 2024-04-25 This book provides insights into health disease and healing in the Indus Civilisation during the third to early second millennia BCE Based on original research it examines skeletal remains material culture and environmental factors The book sheds light on diseases healing practices and public health in this ancient civilization

Technology and Science in Ancient Civilizations Richard G. Olson, 2009-12-21 Why did the Greeks excel in geometry but lag begin the Mesopotamians in arithmetic How were the great pyramids of Egypt and the Han tombs in China constructed What did the complex system of canals and dykes in the Tigris and Euphrates river valley have to do with the deforestation of Lebanon s famed cedar forests This work presents a cross cultural comparison of the ways in which the ancients learned about and preserved their knowledge of the natural world and the ways in which they developed technologies that enabled them to adapt to and shape their surroundings Covering the major ancient civilizations those of Mesopotamia Egypt China Greece the Indus Valley and Meso America Olson explores how language and numbering systems influenced the social structure how seemingly beneficial construction projects affected a civilization s rise or decline how religion and magic shaped both medicine and agriculture and how trade and the resulting cultural interactions transformed the making of both everyday household items and items intended as art Along the way Olson delves into how scientific knowledge and its technological applications changed the daily lives of the ancients

Patterns: Numbers, Shapes, and Connections Pasquale De Marco, 2025-07-12 Embark on an enthralling journey into the captivating world of patterns numbers shapes and connections with this comprehensive guide Within these pages you ll discover a treasure trove of knowledge that will ignite your curiosity expand your understanding and leave you in awe of the

interconnectedness and beauty of the universe Explore the fascinating realm of prime numbers where infinite possibilities unfold Unravel the mysteries of infinity a concept that has captivated mathematicians and philosophers for centuries Delve into the enigmatic world of fractals where intricate patterns emerge from simple rules Uncover the secrets of logical reasoning the foundation of critical thinking and problem solving Witness the power of algorithms the driving force behind technological advancements Decipher the intricacies of counting and probability essential tools for understanding the world around us Venture into the realm of graphs where intricate networks reveal hidden patterns and connections Unlock the puzzles of discrete optimization where mathematical techniques empower us to find optimal solutions to real world problems Through engaging explanations captivating examples and thought provoking exercises this book brings abstract concepts to life It s an indispensable resource for students educators and anyone seeking to deepen their understanding of the fundamental principles that govern our universe Immerse yourself in the beauty and elegance of patterns numbers shapes and connections Discover how these concepts have shaped our understanding of the universe fueled technological advancements and transformed our lives Prepare to be amazed by the wonders that await within these pages If you like this book write a review

[Advancement in Ancient Civilizations](#) Harald Haarmann,2020-09-21 Traditional scholarship on how ancient civilizations emerged is outmoded and new insights call for revision According to the well established paradigm Mesopotamia is considered the cradle of civilization Following the cliché of ex oriente lux light from the East all major achievements of humankind spread from the Middle East Modern archaeology cultural science and historical linguistics indicate civilizations did not originate from a single prototype Several models produced divergent patterns of advanced culture developing both hierarchical and egalitarian societies This study outlines a panorama of ancient civilizations including the still little known Danube civilization now identified as the oldest advanced culture in Europe In a comparative view a new paradigm of research and a new cultural chronology of civilizations in the Old and New Worlds emerges with climate change shown to be a continual influence on human lifeways

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Science Reporter ,2003

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An Introduction to the Early Development of Mathematics Michael K. J. Goodman,2016-01-27 An easy to read presentation of the early history of mathematics Engaging and accessible An Introduction to the Early Development of Mathematics provides a captivating introduction to the history of ancient mathematics in early civilizations for a nontechnical audience Written with practical applications in a variety of areas the book utilizes the historical context of mathematics as a pedagogical tool to assist readers working through mathematical and historical topics The book is divided into sections on significant early civilizations including Egypt Babylonia China Greece India and the Islamic world Beginning each chapter with a general historical overview of the civilized area the author highlights the civilization s mathematical techniques number representations accomplishments challenges and contributions to the mathematical world Thoroughly class tested An Introduction to the Early Development of Mathematics features Challenging exercises that lead readers to a deeper understanding of mathematics Numerous relevant examples and problem sets with detailed explanations of the processes and solutions at the end of each chapter Additional references on specific topics and keywords from history archeology religion culture and mathematics Examples of practical applications with step by step explanations of the mathematical concepts and equations through the lens of early mathematical problems A companion website that includes additional exercises An Introduction to the Early Development of Mathematics is an ideal textbook for undergraduate courses on the history of mathematics and a supplement for elementary and secondary education majors The book is also an appropriate reference for professional and trade audiences interested in the history of mathematics Michael K J Goodman is Adjunct Mathematics Instructor at Westchester Community College where he teaches courses in the history of mathematics contemporary mathematics and algebra He is also the owner and operator of The Learning Miracle LLC which provides academic tutoring and test preparation for both college and high school students

The Mechanical Wizardry of Numbers: Unraveling the Secrets of Computers Pasquale De Marco,2025-03-07 In the realm of digital technology where logic reigns supreme and numbers dance in intricate patterns The Mechanical

Symphony of Numbers unveils the captivating world of computers This comprehensive guide invites readers on an enthralling journey through the inner workings of these modern marvels revealing the elegance and precision that underpin their operations Delve into the fascinating world of binary arithmetic the fundamental language of computers and witness the mesmerizing dance of bits and bytes as they orchestrate the digital universe Unravel the mysteries of logic gates the microscopic switches that form the very fabric of digital decision making Explore the intricate tapestry of computer architecture where the intricate interplay of processors memory and storage devices weave the fabric of digital reality Embark on an enlightening odyssey through the realm of programming where human ingenuity melds with computational power to breathe life into digital creations Discover the intricacies of operating systems the unsung heroes that orchestrate the complex symphony of digital processes and unravel the mysteries of networking the intricate web that connects the digital world Immerse yourself in the vast expanse of data storage where colossal troves of information reside awaiting discovery Comprehend the delicate balance between security and accessibility as you navigate the treacherous landscape of digital threats and explore the ingenious methods employed to safeguard our precious data Peer into the crystal ball of the future where groundbreaking innovations like quantum computing artificial intelligence and the Internet of Things promise to redefine the very essence of computation Witness the convergence of the physical and digital realms as the Internet of Things weaves its intricate web connecting devices and data in a symphony of interconnectedness The Mechanical Symphony of Numbers is not merely a book it is a gateway into the enchanting realm of digital technology an invitation to unravel the mysteries of computation and a testament to the profound impact that computers have wrought upon our world Prepare to be captivated by the intricate dance of numbers the elegance of logic and the boundless potential of the digital realm If you like this book write a review

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are discussed and presented along with real world examples that the author an experienced software engineer has used in a variety of commercial applications Features Reveals the design methodology behind the code including design patterns where appropriate rather than just presenting canned solutions Implements all methods side by side in both Java and Smalltalk This contrast can significantly enhance your understanding of the nature of OO programming languages Provides a step by step pathway to new object oriented techniques for programmers familiar with using procedural languages such as C or Fortran for numerical methods Includes a chapter on data mining a key application of numerical methods

The Skeptic Encyclopedia of Pseudoscience Michael Shermer,2002-11-14 A thorough objective and balanced analysis of the most prominent controversies made in the name of science from the effectiveness of proposed medical treatments to the reality of supernatural claims Edited by Michael Shermer editor and publisher of The Skeptic magazine this truly unique work provides a comprehensive introduction to the most prominent pseudoscientific claims made in the name of science Covering the popular the academic and the bizarre the encyclopedia includes everything from alien abductions to the Bermuda Triangle crop circles Feng Shui and near death experiences Fifty nine brief descriptive summaries and 23 investigations from The Skeptic magazine give skeptical analyses of subjects as far ranging as acupuncture chiropractic and Atlantis The encyclopedia also gives for and against debates on topics such as evolutionary psychology and case studies on topics like police psychics and the medical intuitive Carolyn Myss Finally the volumes include five classic works in the history of science and pseudoscience including the speech William Jennings Bryan never delivered in the Scopes trial and the first scientific and skeptical investigation of a paranormal spiritual phenomenon by Benjamin Franklin and Antoine Lavoisier

Resources in Education ,1993

Traversing Digital Babel Alon Peled,2014-09-12 Alon Peled offers a groundbreaking approach for enabling information sharing among public sector agencies using selective incentives to nudge agencies to exchange information assets

Eleven Orbs, Five crises, Nine Trolls: Numerical Lists You Never Thought Of Pasquale De Marco,2025-07-20 Prepare to embark on a captivating journey through the world of numbers where patterns relationships and enigmas await your discovery Eleven Orbs Five Crises Nine Trolls Numerical Lists You Never Thought Of is an enthralling exploration of the profound significance of numbers in our lives spanning cultures disciplines and the very fabric of reality Within these pages you will delve into the realm of numerical curiosities unraveling the mysteries of pi Fibonacci sequences and the concept of infinity You will traverse the annals of history witnessing the role of numbers in ancient civilizations their influence on mythology and folklore and their impact on art music and literature The journey will take you to the frontiers of science and technology where you will uncover the power of numbers in physics computer science and engineering You will witness the mathematical underpinnings of the universe exploring the patterns and relationships that govern the cosmos But the exploration doesn t stop there This book delves into the practical applications of numbers in everyday life revealing their hidden influences on our thoughts and actions From the psychology of numbers to their role in

decision making you will gain a deeper understanding of the numerical forces that shape your world The adventure continues with an exploration of puzzles and games where you will unravel the mathematical secrets behind Sudoku crosswords and other mind bending challenges You will also peer into the future pondering the role of numbers in artificial intelligence quantum computing and other emerging technologies Eleven Orbs Five Crises Nine Trolls is more than just a book about numbers it is an invitation to discover the hidden depths of reality to appreciate the beauty of patterns and to unravel the enigmas that have captivated humanity for centuries Join us on this numerical odyssey and prepare to be amazed intrigued and inspired If you like this book write a review

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