

The Culture Of Astronomy Origin Of Number

NumbersThe Number ConceptThe Number ConceptThe Number ConceptThe Chinese and Japanese Repository of Facts and Events in Science, History, and Art, Relating to Eastern AsiaThe Number ConceptThe History of ZeroThe Universal History of NumbersSixty-fourth-Eighty-second Annual Report of the Registrar-general of Births, Deaths, and Marriages in England and Wales (1901-1919)The Number ConceptThe History of MathematicsStatistical BulletinThe Elements of Plane TrigonometryThe Constitutional yearbook and politician's guideCyclopaedia of Biblical, Theological, and Ecclesiastical LiteratureQuizzism and Its KeyStatistical BulletinStatistical BulletinThe Year-book of Wireless Telegraphy & TelephonyThe Number Concept: Its Origin and Development Graham Flegg Levi Leonard Conant Levi L Conant Levi L Conant Levi Leonard Conant Tika Downey Georges Ifrah Great Britain. General Register Office Levi Leonard Conant Roger Cooke United States Crop Reporting Board Rawdon Levett John McClintock Albert Plympton Southwick Gladys Kleinwort Bowles Levi L. Conant Numbers The Number Concept The Number Concept The Number Concept The Chinese and Japanese Repository of Facts and Events in Science, History, and Art, Relating to Eastern Asia The Number Concept The History of Zero The Universal History of Numbers Sixty-fourth-Eighty-second Annual Report of the Registrar-general of Births, Deaths, and Marriages in England and Wales (1901-1919) The Number Concept The History of Mathematics Statistical Bulletin The Elements of Plane Trigonometry The Constitutional yearbook and politician's guide Cyclopaedia of Biblical, Theological, and Ecclesiastical Literature Quizzism and Its Key Statistical Bulletin Statistical Bulletin The Year-book of Wireless Telegraphy & Telephony The Number Concept: Its Origin and Development *Graham Flegg Levi Leonard Conant Levi L Conant Levi L Conant Levi Leonard Conant Tika Downey Georges Ifrah Great Britain. General Register Office Levi Leonard Conant Roger Cooke United States Crop Reporting Board Rawdon Levett John McClintock Albert Plympton Southwick Gladys Kleinwort Bowles Levi L. Conant*

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among the speculative questions which arise in connection with the study of arithmetic from a historical standpoint the origin of number is one that has provoked much lively discussion and has led to a great amount of learned research among the primitive and savage languages of the human race a few simple considerations will however show that such research must necessarily leave this question entirely unsettled and will indicate clearly that it is from the very nature of things a question to which no definite and final answer can be given among the barbarous tribes whose languages have been studied even in a most cursory manner none have ever been discovered which did not show some familiarity with the number concept the knowledge thus indicated has often proved to be most limited not extending beyond the numbers 1 and 2 or 1 2 and 3 examples of this poverty of number knowledge are found among the forest tribes of brazil the native races of australia and elsewhere and they are considered in some detail in the next chapter at first thought it seems quite inconceivable that any human being should be destitute of the power of counting beyond 2 but such is the case and in a few instances languages have been found to be absolutely destitute of pure numeral words the chiquitos of bolivia had no real numerals whatever 1 but expressed their idea for one by the word etama meaning alone the tacanas of the same country have no numerals except those borrowed from spanish or from aymara or peno languages with which they have long been in contact 2 a few other south american languages are almost equally destitute of numeral words but even here rudimentary as the number sense undoubtedly is it is not wholly lacking and some indirect expression or some form of circumlocution shows a conception of the difference between one and two or at least between one and many these facts must of necessity deter the mathematician from seeking to push his investigation too far back toward the very origin of number philosophers have endeavoured to establish certain propositions concerning this subject but as might have been expected have failed to reach any common ground of agreement whewell has maintained that such propositions as that two and three make five are necessary truths containing in them an element of certainty beyond that which mere experience can give mill on the other hand argues that any such statement merely expresses a truth derived from early and constant experience and in this view he is heartily supported by tylor 3 but why this question should provoke controversy it is difficult for the mathematician to understand either view would seem to be correct according to the standpoint from which the question is approached we know of no language in which the suggestion of number does not appear and we must admit that the words which

give expression to the number sense would be among the early words to be formed in any language they express ideas which are at first wholly concrete which are of the greatest possible simplicity and which seem in many ways to be clearly understood even by the higher orders of the brute creation the origin of number would in itself then appear to lie beyond the proper limits of inquiry and the primitive conception of number to be fundamental with human thought

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looks at counting systems and the history of the number zero

the book explores the science of numeration as it has developed all over the world from europe to china via the classical world mesopotamia south america and above all india and the arab lands

thirty third annual report abstracts for 1870 includes summary of marriages births and deaths registered in ten years 1861 70

this is a book which though small bears evidence of a wonderful amount of research and labor the author professor conant has drawn from every possible source to give the reader information upon the origin of number the use of numerals the terms used in mathematics in the weights and measures and in every conceivable direction where number comes into use at first sight the book seems to be dry or to say the least adapted only to the comprehension of those to whom mathematics is a delight or a necessity but as one looks over the pages very interesting matter is revealed and there is an immense amount of information written in a very attractive style the buffalo commercial prof l l conant of the worcester polytechnic institute in his opening chapter on counting in his just published work on the number concept its origin and development says among the speculative questions which arise in connection with the study of arithmetic from a historical standpoint the origin of number is one that has provoked the most lively discussion and has led to a great amount of learned research among the primitive and savage languages of the human race prof conant can find no trace in the history of even the most barbarous tribes where there is not at least some familiarity with the number concept this knowledge is in some cases extremely limited among some of the forest tribes of brazil and the native races of australia the knowledge of numbers does not go beyond 1 and 2 or 1 2 and 3 but there is the knowledge all the same there is at least the concept even in the lowest condition of savagery of a difference between one and two or at least between one and many some idea of the scope of this most interesting work may be had from the chapter titles counting number system limits origin of number words miscellaneous number bases

the quinary system and the vigesimal system the work shows great research and prof conant has drawn as far as possible upon original resources he has also taken great care in the selection of his authorities and makes his work an attractive one even to those who have little or no interest in mathematics the boston daily advertiser

written by one of the foremost experts in the field the history of mathematics a brief course is substantially revised in the second edition this acclaimed text now reorganized topically rather than geographically begins with first applications of counting and numbers in the ancient world and continues with discussions of geometry algebra analysis probability logic and more discussions of women in the history of mathematics make this a very thorough inclusive resource midwest

includes literature

in the number concept its origin and development levi l conant embarks on an intellectual exploration of the evolution of numerical understanding throughout history through a systematic examination of mathematical concepts conant delves into the philosophical underpinnings and cultural influences that shaped numerical thought from prehistoric tallying systems to the sophisticated abstractions of modern mathematics his analytical approach incorporates both historical context and interdisciplinary perspectives reflecting a rich tapestry of insights that illustrate how numbers are not merely symbols but foundational elements of human cognition and communication the prose is both accessible and erudite designed to engage readers from various academic backgrounds levi l conant an eminent mathematician and educator was deeply influenced by the mathematical climate of the late 19th and early 20th centuries an era marked by rapid advancements in both pure and applied mathematics his scholarly pursuits underline his belief in the importance of understanding the historical and cultural dynamics that inform mathematical concepts this work stands as a testament to his dedication to making complex ideas approachable while preserving their intellectual rigor for those intrigued by the intersection of history culture and mathematics the number concept is an invaluable resource conant s thorough investigation not only fosters a deeper appreciation for mathematics but also serves as a profound reminder of how number systems reflect human thought this book is essential reading for anyone interested in the philosophical dimensions of mathematics and its historical progression in this enriched edition we have carefully created added value for your reading experience a succinct

introduction situates the work s timeless appeal and themes the synopsis outlines the central plot highlighting key developments without spoiling critical twists a detailed historical context immerses you in the era s events and influences that shaped the writing a thorough analysis dissects symbols motifs and character arcs to unearth underlying meanings reflection questions prompt you to engage personally with the work s messages connecting them to modern life hand picked memorable quotes shine a spotlight on moments of literary brilliance interactive footnotes clarify unusual references historical allusions and archaic phrases for an effortless more informed read

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