

The Cosmic Calculator A Vedic Mathematics Course For Schools 5 Volume Set Indias Scientific Heritage By Kenneth Williams Mark Gaskell 2002 Paperback

In this book the Vedic techniques are applied to ordinary school mathematics for eleven and twelve years-old. the arithmetic introduced in books I and II is extended. The book also deals with the initial stages of solving equations, coordinate geometry, approximations, indices, parallels, triangles, ratio and proportion as well as other topics. Once a basic grounding has been established with the Vedic methods the next stage is the beginning of discrimination. A problem is set and, armed with several techniques, the student must choose the easiest or most relevant for achieving the solution. This book deals with some of the steps required for this training.

This book shows you how to access the wisdom of the Nakshatras in your personal life and for society. Through it the modern reader can understand the energies of their stars and learn how to utilize these to bring their lives into harmony with the great forces of the universe. This book is must reading not only for any students of astrology but for anyone interested in self-development or spiritual growth.

The only work to date to collect data gathered during the American and Soviet missions in an accessible and complete reference of current scientific and technical information about the Moon. This book is a geometrical survey of the Sanskrit and Prakrt scientific and quasi-scientific literature of India, beginning with the Vedic literature and ending with the early part of the 17th century. It deals in detail with the Sulbasutras in the Vedic literature, with the mathematical parts of Jaina Canonical works and of the Hindu Siddhantas and with the contributions to geometry made by the astronomer mathematicians Aryabhata I & II, Sripati, Bhaskara I & II, Sangamagrama Madhava, Paramesvara, Nilakantha, his disciples and a host of others. The works of the mathematicians Mahavira, Sridhara and Narayana Pandita and the Bakshali Manuscript have also been studied. The work seeks to explode the theory that the Indian mathematical genius was predominantly algebraic and computational and that it eschewed proofs and rationales. There was a school in India which delighted to demonstrate even algebraical results geometrically. In their search for a sufficiently good approximation for the value of pie Indian mathematicians had discovered the tool of integration. Which they used equally effectively for finding the surface area and volume of a sphere and in other fields. This discovery of integration was the sequel of the inextricable blending of geometry and series mathematics.

Panchanga is an ancient vedic technique which has disappeared from current practice. It is used to discover the strength of the different sources of 'light' in the natal chart which show one's response to the challenges of life. This book shows how relevant this technique is to life.

"The Treviso Arithmetic, or Arte dell'Abbaco, is an anonymous textbook in commercial arithmetic written in vernacular Venetian and published in Treviso, Italy in 1478. The Treviso Arithmetic is the earliest known printed mathematics book in the West, and one of the first printed European textbooks dealing with a science. The Treviso Arithmetic is a practical book intended for self study and for use in Venetian trade. It is written in vernacular Venetian and communicated knowledge to a large population. It helped to end the monopoly on mathematical knowledge and gave important information to the middle class. It was not written for a large audience, but was intended to teach mathematics of everyday currency. The Treviso became one of the first mathematics books written for the expansion of human knowledge. It provided an opportunity for the common person, rather than only a privileged few, to learn the art of computation. The Treviso Arithmetic provided an early example of the Hindu-Arabic numeral system computational algorithms."--Wikipedia.

The author has attempted to codify several useful results embedded in the ancient lore, in a form which is easily accessible to the children learning mathematics. Many of the chapters deal with computations using simple techniques which will shorten the effort involved in the conventional approach. The price one pays, of course, is that one has to learn the tricks, memorize them and use the appropriate one for each problem. While one might think that this takes away the generality of the modern approach, it certainly has the element of charm and intrigue which children [and grown-ups!] will find entertaining. Even working out why many of these approaches lead to correct results is a valuable exercise by itself. Contents Foreword, Preface, Feedback, Introduction, 1. Complement, Subtraction, Multiplication by Specific Numbers, Base Multiplication, Working Base Multiplication, Multiplication, Algebra, Digital Roots, Divisibility, Division I, Division II, Squares, Straight Squaring, Cubes, Square roots of exact squares, Cube roots of exact cubes, Straight Division, Square roots II, Sutras, Glossary, Index.

The magic wand of Vedic Mathematics that makes complex problems simple! Vedic Mathematics is an ancient technique consisting of sixteen sutras and sixteen sub-sutras. These sutras are not only important in dealing with simple arithmetic and algebraic concepts but are equally good in solving complex problems of higher algebra, trigonometry, calculus and co-ordinate geometry. In this book, renowned mathematician Rajesh Kumar Thakur lays out the unique Vedic sutras and explains their applicability in an easy-to-understand manner. Competitive examinations today test candidates on their aptitude in algebra, arithmetic, geometry and trigonometry-all of which this book helps to hone. It will make complex problems appear simple-be it partial fraction, integration by parts or differentiation-you will be able to tackle them all easily! Read this book and learn how to solve difficult maths problems in less than 30 seconds!

Examines the early developments and uses of mathematics in such places as Egypt, Mesopotamia, China, and India

In 1150 AD, Bhaskaracarya (b. 1114 AD), renowned mathematician and astronomer of Vedic tradition composed Lilavati as the first part of his larger work called Siddhanta Siromani, a comprehensive exposition of arithmetic, algebra, geometry, mensuration, number theory and related topics. Lilavati has been used as a standard textbook for about 800 years. This lucid, scholarly and literary presentation has been translated into several languages of the world. Bhaskaracarya himself never gave any derivations of his formulae. N.H. Phadke (1902-1973) worked hard to construct proofs of several mathematical methods and formulae given in original Lilavati. The present work is an enlargement of his Marathi work and attempts a thorough mathematical explanation of definitions, formulae, short cuts and methodology as intended by Bhaskara. Stitches are followed by literal translations so that the reader can enjoy and appreciate the beauty of accurate and musical presentation in Lilavati. The book is useful to school going children,

sophomores, teachers, scholars, historians and those working for cause of mathematics.

This basic cosmobiology textbook was first printed in Germany (1949) under the title The 90° Dial in Practice. It has since had additions and improvements. Written by the acknowledged master, cosmobiology takes the fundamentals of the basic horoscope one step further by condensing the wheel to 90° by placing the planets into their groups of cardinal, fixed and mutable. The analysis then becomes very simplified, yet with details that are astounding. Explained are the methods, interpretations, use of solar arc directions, graphic ephemeris and more. See for yourself how using cosmobiology makes astrology become a quicker and more useful tool.

The 'Vedas' are considered 'divine' in origin and are assumed to be revelations from God. In traditional Hinduism, the Vedas were to be learnt only by the 'upper' caste Hindus. The 'lower castes' (Sudras) and so-called 'untouchables' (who were outside the Hindu social order) were forbidden from even hearing to its recitation. In recent years, there have been claims that the Vedas contain the cure to AIDS and the production of electricity. Here the authors probe into Vedic Mathematics (that gained renown during the revivalist Hindutva rule in India and was introduced into school syllabus in several states); and explore if it is really 'Vedic' in origin or 'Mathematics' in content. To gain a better understanding of its imposition, we interviewed students, teachers, parents, educationists and activists. We analyze this problem using models like Fuzzy Cognitive Maps (FCM), Fuzzy Relational Maps (FRM) and newly constructed Fuzzy Dynamical System (and their Neutrosophic Analogues). The issue of imposition of Vedic Mathematics into the school curriculum involves religious politics, caste supremacy, apart from elementary arithmetic - so we use fuzzy and neutrosophic techniques to gain acute insight into how students have been affected because of this politically motivated syllabus revision.

Pythagorean Triples, Like 3,4, 5 Have Been A Fascination For Thousands Of Years. Now For The First Time A Simple Elegant System, Based On These Triples, Has Been Developed which Reveals Unexpected Applications In Trigonometry, Coordinate Geometry (In 2 And 3 Dimensions), Transformations (In 2 And 3 Dimensions), Simple Harmonic Motion, Astronomy Etc.

Useful for School students, teachers, and professionals and a must for those appearing for competitive exams like UPSC, MBA, MCA, GMAT, GRE, CSAT, etc. "After reading this book, solving $5378942639 \div 8120594263$, finding the square of 99975, the cube root of 704969 or calculating any day from 500 years would be child's play

The authors explore ways of helping students understand the universality of mathematics.

The remarkable system of Vedic mathematics was created after careful study of ancient Sanskrit texts early last century. The Vedic system with its direct, easy and flexible approach forms a complete system of mental mathematics (though the methods can also be written down) and brings out the naturally coherent and unified structure of mathematics. Many of the features and techniques of this unique system are truly amazing in their efficiency and originality. Being a mental system, Vedic Mathematics encourages creativity and innovation. Mental mathematics increases mental agility, improves memory, the ability to hold ideas in the mind and promotes confidence, as well as being of great practical use. This course consists of three textbooks an Answer Book and a Teacher's Guide. The course is aimed at 11-14 year old pupils though some of it is very suitable for children from 8 years. Vedic Mathematics is being taught in many schools world-wide with great success: many top mathematics prizes have been won by students of this system. Contents Foreword, Introduction, Vedic Mathematics Sutras, Sub-Sutras, Recurring Decimals, Formulae, Squares, Cubes and Roots, Straight Division, Equations, Polygons, Similar Figures, The Musical Scale, nets and Networks, The Vedic Square, Probability, Pie, Volumes of Prisms and Pyramids, Parabolic Curves, Sequences, Loci, Motion, Auxiliary Fractions, Surveys, Codes Vectors, Simultaneous Equations, Divisibility and Simple Osculators, Square Roots, Quadratic Equations, Pythagoras' Theorem, Triples, Proof, Coordinate Geometry, The Platonic Solids, Historical Notes. Gahl Sasson's second book, Cosmic Navigator, is like a GPS for the soul. It combines Astrology, the map of where and who we are, with Kabbalah the navigation system that tells us how to get to our goal and avoid those traffic patterns and areas of gridlock in our lives. This three part text is the first book of its kind. Not only is it the first book to use Astrology as a resource for self help, it also weds the wisdom of ancient Kabbalistic truths with the powerful archetypes of the zodiac to help you improve and change your life. The first part of the book introduces the basic concepts of Kabbalah and Astrology and how they work together. The second part teaches you how to interpret your own astrological chart as the road map of your life. The third and final part of the book, which is based on Gahl's twelve week workshop, walks the reader through the twelve signs and teaches them how to use each one to bring balance and success into their lives. Is your love life in need of more passion? Turn to the chapter on Scorpio and learn how to invoke that sexual mysterious energy. Do you need to be more assertive at work? Turn to the chapter on Aries and discover your inner warrior. Unlike other astrology books that simply offer stereotypical profiles, Cosmic Navigator teaches us how to take control of our astrological destinies.

On the loss of Vedic knowledge at the time of the Mahabharata war, by a member of the Arya Samaj.

Superb, stimulating account of origins of mathematical thought and development of numerical theory. Probes the work of Pythagoras, Galileo, Berkeley, Einstein, and others, exploring influence of "number magic" on religion, philosophy, science, mathematics.

The Art and Science of Vedic Counseling is the best counseling guide available for students, teachers, and practitioners of Ayurveda, Yoga, and related healing arts. The book is an ever-cherished collection of knowledge, wisdom and a practical, clinical reference. I highly recommend the book to all those who love Yoga & Ayurveda. -Vasant Lad, B.A.M.&S., M.A.Sc - Ayurvedic Physician Parashari Jaimini and Tajik are the three most popular systems of Vedic Astrology. Parashar gives more importance to the planets while Jaimini considers the rashis to be more important. Tajik is mainly used in Prashna Shastra and in Varshaphal. Tajik diverts slightly always from the main stream of the traditional methods and employs newer techniques of Astrology. 'Tajik Neelakanthi', of Acharya Neelakantha, which was composed in the 16th century AD, is the base of Taik Jyotish. This does not mean that Varshaphal and Prashna techniques were not practised in vedic Astrology before this. 'Uttar Kalamrit' of Kalidas mentions and describes the computation of Varshaphal dasha which is different from the 'Mudda dasha' of Varshaphal. Apart from this, 'Shat Panchashikha' of Prithyushyas is the established classic of Prashna Shastra, which was composed centuries before 'Tajik Neelakanthi'. Ancient Kairaleeya Jyotish is also well known for considering Prashna to be their main technique. The influence of Greek and Arab culture is clearly seen on the word 'Tajik'. Arrival of the invaders from Western Asia initiated the exchange of culture between India and West Asia. This exchange introduced some newer techniques to our Vedic Astrology. One of these techniques was Tajik. This has been marked as the beginning of Tajik jyotish. Tajik word does not belong to Sanskrit. There are different opinions regarding this issue. Some scholars consider it to be a distorted form of the word 'Jatak'. Another view is that meaning of Tajik is a horse in Turkish and Persian language. The speed of this technique has been compared to that of a

horse and for this reason it has been named Tajik. In any case the influence of Mohammedans on this knowledge is very clear. This is also confirmed by the other words of Tajik, namely mudda, muntha, saham and the names of the Tajik yogas like Ithasal, Ikkabal, Ishraf, nakta, radda and khallasar etc. Moving at the average speed of 1° per day, Sun completes one round of the Zodiac in one year. For casting the annual horoscope we select the time when Sun reaches the longitude of the natal Sun. The horoscope cast for that date and time becomes the annual horoscope and the Varshaphal is decided on the basis of this horoscope. In a similar manner prediction for any year of the person's life can be given on the basis of the annual horoscope. In other words the annual horoscope is based on the longitude of the natal Sun and not on the date and time of birth. This also means that the date, day and time of the annual horoscope is generally different from that of the birth horoscope.

If you hate mathematics If you have always struggled to solve your maths problems in time If you are scared of complex calculations If you are attempting competitive or board exams Or if you would just like to improve your maths skills This book is for you! Based on the sixteen sutras, vedic maths is practically the only magical principle you need to tackle anything from simple arithmetic to algebra, algorithms, square roots, cube roots, trigonometry and many more mathematical concepts. In this book you will find easy methodology that will help you solve complex questions, and practice exercises that will test your understanding of these concepts. So go ahead, make Maths Sutra your essential guide to mathematics!

Based on Sanskrit mathematical aphorisms found in the Atharvaveda.

The Cosmic Calculator A Vedic Mathematics Course for Schools Motilal Banarsidass Publishes

Vedic Mathematics was reconstructed from ancient vedic texts early last century by Sri Bharati Tirthaji (1884-1960). It is a complete systems of mathematics which has many surprising properties and applies at all levels and areas of mathematics, pure and applied. The system is based on sixteen word-formulae that relate to the way in which we use our mind.

The remarkable system of Vedic mathematics was created after careful study of ancient Sanskrit texts early last century. The Vedic system with its direct, easy and flexible approach forms a complete system of mental mathematics (though the methods can also be written down) and brings out the naturally coherent and unified structure of mathematics. Many of the features and techniques of this unique system are truly amazing in their efficiency and originality. Being a mental system, Vedic Mathematics encourages creativity and innovation. Mental mathematics increases mental agility, improves memory, the ability to hold ideas in the mind and promotes confidence, as well as being of great practical use. This course consists of three textbooks an Answer Book and a Teacher's Guide. The course is aimed at 11-14 year old pupils though some of it is very suitable for children from 8 years. Vedic Mathematics is being taught in many schools world-wide with great success: many top mathematics prizes have been won by students of this system.

This book about the science of Vastu was written as a simple and clear, yet detailed exposition on the knowledge and basic technical applications for the design of secular Vastu buildings - such as homes and offices. 'Vastu Architecture' provides the reader with a nuts and bolts explanation of how to create a solid structure that is in resonance with Earth, Cosmic and Divine energies. Being a fully illustrated book, with around 100 simple, clear and easy to interpret drawings; the book is very accessible to a general audience and does not require any background knowledge in architectural design. Also included are two complete floor plans that can be tailored for specific individuals in accordance with their birth stars. Many other books about Vastu do not include an explanation of the technical knowledge of Vastu science, and if they do, they often present only a partial, or an altogether incorrect account thereof. This is not the case with 'Vastu Architecture', as its technically rich, yet layman-accessible knowledge base provides the reader with all of the basic requirements to create a Vastu structure, including a very clear chapter on how to use the Ayadi Calculations to get the Sacred Dimensions of a building. This is not however a coffee table book, it is rather a manual for the construction of special havens for the soul.

The Lal Kitab, a rare book in urdu, was popular in north-west India, Pakistan, Iran and many other countries. This English version has added new dimensions to make it more lucid and easier to understand.

Vertically and Crosswise is an advanced book of sixteen chapters on one Vedic Mathematics sutra. Primarily it deals with the solution of equations, ranging from elementary examples of the sutra to no linear partial differential equations. Other topics include the inversion of matrices, curve-fitting, and methods of obtaining series expansions of common functions of one and of two independent variables.

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Every organism on Earth responds to four major cycles: the solar and lunar day, the synodic month and the year. We all dance to these primary rhythms. This book reveals the

poetic cosmology that lies within the cycles of the Sun and Moon as seen from the Earth.

Vedic Maths is much more than a magical method of fast calculation. While mastery of its simple sutras - and a little practice - undoubtedly enables one to perform mental computations with lightening speed.

The present volume on Vedic Physics by Keshav Dev Verma is indeed a unique attempt to interpret the ancient Indian literature by defining various symbols, concepts and terminology occurring in Vedic hymns and other texts. While accepting Maharsi Dayananda's view that Vedas are the repository of all true sciences, the author does examine this statement with a view to test it on the hard rock of truth. Shri Verma has selected the Sankhya-Patanjala system that explains the physical world (Universe) on the basis of Cosmic evolution; the Vaisesika-Nyaya expounds the methodology and elaborates the concepts of physics, chemistry and mechanics. Shri Verma has very systematically tried to interpret the Sankhya aphorisms and concludes that the ultimate ground to which the manifested world can be traced is Prakrti having three attributes-Sattva (existence), energy at rest or Rajas (energy that which is efficient in a phenomenon and is characterised by a tendency to move and overcome any resistance) and Tamas (mass or inertia) which resists the Rajas to do work and also resists Sattva from conscious manifestation.

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