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Conceptual Aircraft Design Traditional Chinese Medicine Simplified A Concise Introduction to Robot Programming with ROS2 Contextualization of Sufi Spirituality in Seventeenth- and Eighteenth-Century China

This is the fourth book in the Math Made a Bit Easier series by independent author and math tutor Larry Zafran. As the second "main" book of the series, it builds upon the first book which covered key topics in basic math. Before working with this book, it is absolutely essential to have completely mastered all of the material from the first book. Continuing the roadmap which began with the first book, this book covers the basics of the following topics of algebra and geometry: Expressions, equations, inequalities, exponents, factoring, the FOIL method, lines, angles, area, perimeter, volume, triangles, the Pythagorean Theorem, linear equations, and the Cartesian coordinate plane. Again, if the prerequisite material from the first book has not been fully learned, the student will almost certainly proclaim that this book and its material are "hard," and will continue to feel frustrated with math. There is no way to avoid learning math step-by-step at one's own pace. This book emphasizes concepts which commonly appear on standardized exams. While it does not go into great detail about any concept, it explains the material conversationally and "in plain English." Some practice exercises and self-tests are included. Mastery of these concepts will likely be sufficient for the student to achieve his/her math goals, but more advanced exams may require some knowledge of material presented in later books in the series. Learn AI & Machine Learning from the first principles. KEY FEATURES ● Explore how different industries are using AI and ML for diverse use-

cases. ● Learn core concepts of Data Science, Machine Learning, Deep Learning and NLP in an easy and intuitive manner. ● Cutting-edge coverage on use of ML for business products and services. ● Explore how different companies are monetizing AI and ML technologies. ● Learn how you can start your own journey in the AI field from scratch. DESCRIPTION AI and machine learning (ML) are probably the most fascinating technologies of the 21st century. AI is literally in every industry now. From medical to climate change, education to sport, finance to entertainment, AI is disrupting every industry as we know. So, the basic knowledge of AI/ML becomes mandatory for everyone. This book is your first step to start the journey in this field. Along with basic concepts of fields, like machine learning, deep learning and NLP, we will also explore how big companies are using these technologies to deliver greater user experience and earning millions of dollars in profit. Also, we will see how the owners of small- or medium-sized businesses can leverage and integrate these technologies with their products and services. Leveraging AI and ML can become that competitive moat which can differentiate the product from others. In this book, you will learn the root concepts of AI/ML and how these inanimate machines can actually become smarter than the humans at a few tasks, and how companies are using AI and how you can leverage AI to earn profits. WHAT YOU WILL LEARN ● Core concepts of data science, machine learning, deep learning and NLP in simple and intuitive words. ● How you can leverage and integrate AI technologies in your business to differentiate your product in the market. ● The limitations of traditional non-tech businesses and how AI can bridge those gaps to increase revenues and decrease costs. ● How AI can help companies in launching new products, improving existing ones and automating mundane processes. ● Explore how big tech companies are using AI to automate different tasks and providing unique product experiences to their users. WHO THIS BOOK IS FOR This book is for anyone who is curious

about this fascinating technology and how it really works at its core. It is also beneficial to those who want to start their career in AI/ ML. TABLE OF CONTENTS 1. Introduction 2. Going deeper in ML concepts 3. Business perspective of AI 4. How to get started and pitfalls to avoid Contains key concepts, skills to master, a brief discussion of the ideas of the section, and worked-out examples with tips on how to find the solution. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. A Concise Introduction to Robot Programming with ROS2 provides the reader with the concepts and tools necessary to bring a robot to life through programming. It will equip the reader with the skills necessary to undertake projects with ROS2, the new version of ROS. It is not necessary to have previous experience with ROS2 as it will describe its concepts, tools, and methodologies from the beginning. Key Features Uses the two programming languages officially supported in ROS2 (C++, mainly, and Python) Approaches ROS2 from three different but complementary dimensions: the Community, Computation Graph, and the Workspace Includes a complete simulated robot, development and testing strategies, Behavior Trees, and Nav2 description, setup, and use A GitHub repository with code to assist readers It will appeal to motivated engineering students, engineers, and professionals working with robot programming. Demystifying the key ideas of the world's greatest philosophers, and exploring all of the most important branches of thought including philosophy of science, philosophy of religion and feminist philosophy in a uniquely visual way, this book is the perfect introduction to the history of philosophy. A clear and accessible guide to philosophy, How Philosophy Works combines bold infographics and jargon-free text to demystify fundamental concepts. Covering everything from ethics to epistemology and phenomenology, the book presents the ideas and theories of key philosophical traditions and philosophers - from Plato and Socrates to Nietzsche and

Wittgenstein via Kant - in a novel, easy-to-understand way. Its infographics will help you to understand the elements of philosophy on a conceptual level and, by tackling life's "big questions", it will help you to look at the world in an entirely new way. With its unique graphic approach and clear, authoritative text, *How Philosophy Works* is the perfect introduction to philosophy, and the ideal companion to DK's *The Philosophy Book* in the "Big Ideas" series. In his book, India's foremost testing expert and a globally recognized luminary, Dr. V. Natarajan, demystifies the technology & the science behind Adaptive Tests, with examples drawn from real life. He has explained the making of the building blocks so that you can build your very own verified Question Item Bank. He has visually & kinesthetically demonstrated the analytics to ensure that you can perform them in your backyard. He has even used one of the popular available software products to demonstrate the ease-of-use of the technology and make it viable for you to go the Adaptive Test way and save time, effort & money for your organization or institution. This book is a must-buy for all students & practitioners of testing who believe the future starts today. Written for those less comfortable with science and mathematics, this text introduces the major chemical engineering topics for non-chemical engineers. With a focus on the practical rather than the theoretical, the reader will obtain a foundation in chemical engineering that can be applied directly to the workplace. By the end of this book, the user will be aware of the major considerations required to safely and efficiently design and operate a chemical processing facility. Simplified accounts of traditional chemical engineering topics are covered in the first two-thirds of the book, and include: materials and energy balances, heat and mass transport, fluid mechanics, reaction engineering, separation processes, process control and process equipment design. The latter part details modern topics, such as biochemical engineering and sustainable development, plus practical topics of safety and process economics, providing the

reader with a complete guide. Case studies are included throughout, building a real-world connection. These case studies form a common thread throughout the book, motivating the reader and offering enhanced understanding. Further reading directs those wishing for a deeper appreciation of certain topics. This book is ideal for professionals working with chemical engineers, and decision makers in chemical engineering industries. It will also be suitable for chemical engineering courses where a simplified introductory text is desired. Analyzes a variety of endgames, discusses strategy, and looks at confrontations between unlike pieces Provides a Comprehensive Introduction to Aircraft Design with an Industrial Approach This book introduces readers to aircraft design, placing great emphasis on industrial practice. It includes worked out design examples for several different classes of aircraft, including Learjet 45, Tucano Turboprop Trainer, BAe Hawk and Airbus A320. It considers performance substantiation and compliance to certification requirements and market specifications of take-off/landing field lengths, initial climb/high speed cruise, turning capability and payload/range. Military requirements are discussed, covering some aspects of combat, as is operating cost estimation methodology, safety considerations, environmental issues, flight deck layout, avionics and more general aircraft systems. The book also includes a chapter on electric aircraft design along with a full range of industry standard aircraft sizing analyses. Split into two parts, Conceptual Aircraft Design: An Industrial Approach spends the first part dealing with the pre-requisite information for configuring aircraft so that readers can make informed decisions when designing vessels. The second part devotes itself to new aircraft concept definition. It also offers additional analyses and design information (e.g., on cost, manufacture, systems, role of CFD, etc.) integral to conceptual design study. The book finishes with an introduction to electric aircraft and futuristic design concepts currently under study. Presents an informative, industrial approach to

aircraft design Features design examples for aircraft such as the Learjet 45, Tucano Turboprop Trainer, BAe Hawk, Airbus A320 Includes a full range of industry standard aircraft sizing analyses Looks at several performance substantiation and compliance to certification requirements Discusses the military requirements covering some combat aspects Accompanied by a website hosting supporting material

Conceptual Aircraft Design: An Industrial Approach is an excellent resource for those designing and building modern aircraft for commercial, military, and private use. Nietzsche's works are replete with discussions of moral psychology, but to date there has been no systematic analysis of his account. How does Nietzsche understand human motivation, deliberation, agency, and selfhood? How does his account of the unconscious inform these topics? What is Nietzsche's conception of freedom, and how do we become free? Should freedom be a goal for all of us? How does--and how should--the individual relate to his social context? The Nietzschean Self offers a clear, comprehensive analysis of these central topics in Nietzsche's moral psychology. It analyzes his distinction between conscious and unconscious mental events, explains the nature of a type of motivational state that Nietzsche calls the 'drive', and examines the connection between drives, desires, affects, and values. It explores Nietzsche's account of willing unity of the self, freedom, and the relation of the self to its social and historical context. The Nietzschean Self argues that Nietzsche's account enjoys a number of advantages over the currently dominant models of moral psychology--especially those indebted to the work of Aristotle, Hume, and Kant--and considers the ways in which Nietzsche's arguments can reconfigure and improve upon debates in the contemporary literature on moral psychology and philosophy of action. This book covers all the core concepts of Angular in a simple way. Simple language and images are used to make sure everyone understands each and every concept of Angular easily and in no time. Beginners who have no

knowledge on Angular can easily grasp the core concepts of Angular by going through each chapter in a book. People who already have knowledge in Angular can use this book for revision or interview purpose as important concepts are marked so that they can be remembered easily. All concepts are explained with the help of practical examples. Readers of book can easily understand all concepts by going through these examples

Ian Crofton, former editor-in-chief of The Guinness Encyclopedia, has written a wide range of other general reference books, including *Philosophy (Teach Yourself Instant Reference)* and *Science Without the Boring Bits*. With *Big Ideas in Brief*, Crofton provides an accessible tour of 200 key concepts that really matter. The ideas covered come from a wide range of subjects--Philosophy, Religion, Politics, Economics, Sociology, Anthropology, Psychology, the Arts, and Science. A series of short, lively articles, accompanied by 100 illustrations, introduces a host of diverse topics, from Existentialism to Expressionism, from Consciousness to Constitutionalism, from Feminism to Free Trade, from Class to Cognitive Theory, from Reincarnation to Relativity--all explained simply and clearly. From the Trade Paperback edition. Don't get shut out of graduate school because you struggle with math. *GRE Math Simplified with Video Solutions* captures the lessons veteran teacher and GRE tutor Julia Andrews has taught her students of all levels, including the math forgetful and the math phobic. *GRE Math Simplified* focuses on explaining concepts rather than teaching gimmicks, and addresses the ways in which a single concept can be tested in multiple ways. It also addresses some of the most common pitfalls. Each practice set is paired with a free online solutions video. This way, if you get stuck and the written explanation is not enough, you can watch the corresponding video-- where the problems are worked out step-by-step-- to see where you went wrong. The videos can be viewed on the AndrewsTutoring YouTube channel. The book introduces key Artificial Intelligence (AI) concepts in an easy-to-read format with examples and

illustrations. A complex, long, overly mathematical textbook does not always serve the purpose of conveying the basic AI concepts to most people. Someone with basic knowledge in Computer Science can have a quick overview of AI (heuristic searches, genetic algorithms, expert systems, game trees, fuzzy expert systems, natural language processing, super intelligence, etc.) with everyday examples. If you are taking a basic AI course and find the traditional AI textbooks intimidating, you may choose this as a “bridge” book, or as an introductory textbook. For students, there is a lower priced edition (ISBN 978-1944708016) of the same book. Published by CSTrends LLP. The book will focus on exploiting state of the art research in semantic web and web science. The rapidly evolving world-wide-web has led to revolutionary changes in the whole of society. The research and development of the semantic web covers a number of global standards of the web and cutting edge technologies, such as: linked data, social semantic web, semantic web search, smart data integration, semantic web mining and web scale computing. These proceedings are from the 6th Chinese Semantics Web Symposium. This book demystifies the basic concepts of Traditional Chinese Medicine for the Western mind. It simplifies and condenses difficult concepts so that lay people of the West can have a better understanding of this complex subject. The book is written for teachers, students, and the public. The theory section deals with historical facts and the fundamental concepts of TCM. The application section applies the theory of TCM to daily life whether for self-help or for use by the practitioner. Liu Zhi (c1662-c1730), a well-known Muslim scholar writing in Chinese, published outstanding theological works, short treatises, and short poems on Islam. While traditional Arabic and Persian Islamic texts used unfamiliar concepts to explain Islam, Liu Zhi translated both text and concepts into Chinese culture. In this erudite volume, David Lee examines how Liu Zhi integrated the basic religious living of the monotheistic Hui

Muslims into their pluralistic Chinese culture. Liu Zhi discussed the Prophet Muhammad in Confucian terms, and his work served as a bridge between peoples. This book is an in-depth study of Liu Zhi's contextualization of Islam within Chinese scholarship that argues his merging of the two never deviated from the basic principles of Islamic belief. What is the meaning of life? Are we truly free? How can we make ethical choices? Discover the answers to life's greatest questions.

Demystifying the key ideas of the world's greatest philosophers, and exploring all of the most important branches of philosophical thought in a uniquely visual way, this book is the perfect introduction to the history of philosophy. How Philosophy Works combines bold infographics and jargon-free text to demystify fundamental concepts about the nature of reality. Covering everything from ethics to epistemology and phenomenology, the book presents the ideas and theories of key philosophical traditions and philosophers - from Plato and Socrates to Nietzsche and Wittgenstein via Kant - in a novel, easy-to-understand way. Its infographics will help you to understand the elements of philosophy on a conceptual level and, by tackling life's "big questions", it will help you to look at the world in an entirely new way. With its unique graphic approach and clear, authoritative text, How Philosophy Works is the perfect introduction to philosophy, and the ideal companion to DK's The Philosophy Book in the "Big Ideas" series. This is a guide book to help parents understand the basic concepts, signs and symptoms, diagnosis, possible causes or risk factors and management of Autism. It is simplified in few pages for better understanding. Click to get a copy

Number of Exhibits: 1 Court of Appeal Case(s): D016181 The Semantic Web is a new area of research and development in the field of computer science that aims to make it easier for computers to process the huge amount of information on the web, and indeed other large databases, by enabling them not only to read, but also to understand the information. Based on successful courses taught by the

authors, and liberally sprinkled with examples and exercises, this comprehensive textbook describes not only the theoretical issues underlying the Semantic Web, but also algorithms, optimisation ideas and implementation details. The book will therefore be valuable to practitioners as well as students, indeed to anyone who is interested in Internet technology, knowledge engineering or description logics. Supplementary materials available online include the source code of program examples and solutions to selected exercises. Dear Readers, Thanks for making my other books #1 best sellers on Amazon! This book is written with more than 1000 years of experience... I mean it... I have many friends in my personal and professional networks who contributed to this book. They earned huge experience by working at world's largest companies. If we add their experiences then it would easily cross 1000 years. That's the reason I took long time to come up with this book, to respect their guidance and to provide maximum benefits to you. In this book, you will learn about the latest industrial technologies, also you will get exposures to very interesting & important future technologies, like: Impact of Electric Vehicle (EV) on sheet metal industry Bionic design for sheet metals - popular in aerospace and coming soon to automotive With help of more than 436 figures , I have tried to bring almost everything I was advised to bring for you. You can test your learning with 290 MCQ. A quick glimpse will get you an idea about the quality and comprehensiveness of the book. I am sure, this book will become an asset for you, and you would read it multiple times to enjoy, comprehend the information, knowledge and industry insights provided in this book. Have a wonderful learning experience!

Ashok Kumar What should you expect from this book... 1. Introduction- Manufacturing & applications 2. Cutting sheet metals- Cutting technologies (shear, sawing, laser, plasma, & waterjet)- Types of cutting (slitting, cutoff & parting, punching & blanking, notching, saving, & lancing)- Deciding cut sequence 3. Forming sheet metals- Bending (air bending,

spring back, neutral axis & K-factor, offset, bottoming, 3-point, edge/wipe, roll, elastomer/geurin, joggle, folding, flanging & flaring)- Air bend force chart- Other forming processes (Extrusion, Stamping, Stretching, Drawing, Ironing, Embossing, Coining, SPF, EXF, MPF, EHF, Hydro, RPF, Roll, Peen, & Spinning)4. Joining sheet metals- Electric arc welding (MAW, GMAW/MIG, GTAW/TIG, PAW, CAW, & SAW)- Electric resistance welding (spot seam, & projection)- Gas flame welding- Laser beam welding (LBW)- Electron beam welding (EBW)- Solid state friction stir & ultrasound welding- Weld design (butt, lap, corner, tee, & plug)- Brazing & soldering- Riveting- Fasteners (bolts, nuts, screws, tacks)- Clinching- Seaming- Adhesive bonding5. Designing sheet metal products- Sheet metal designing (bend radius, bend relief, hole/slot size & location, extruded hole, curl, hem, notches & tabs, fillets, countersink holes, lance/louver design, emboss/bed/rib design)- Advanced design concepts (edge, flange, gussets, ribs, chamfer, wrapped corners, collars, coining & embossing)- Material selection (ferritic/austenitic/martensitic/duplex stainless steels, drawing steel, HSS, 1st, 2nd & 3rd generations AHSS, UHSS, & PHS)- Aluminium sheets in automotive-BIW- Sheet thickness & tolerances- Design for manufacturing-DFM & product life cycle5. Finishing sheet metal products- Deburring- Sand blasting- Plating (anodizing, zinc plating/galvanizing, nickel, zinc-nickel, chrome, tin, designing for plating)- Coating (chromate conversion, passivation, powder coating)- Automotive examples7. Drafting of sheet metal parts- Drafting rules- Band lines, direction, & radius- Hole/bend charts- Flat pattern layout- Welding symbols- Notes & other sectionsAppendices - Future ahead Bionic design Electric vehicles Enjoy the core of engineering! Paul Glendinning is Professor of Applied Mathematics at the University of Manchester. He was founding Head of School for Mathematics at the combined University of Manchester and has published over fifty academic articles and an undergraduate textbook on chaos theory. Both simple and accessible, Math in

Minutes is a visually led introduction to 200 key mathematical concepts. Each concept is described by means of an easy-to-understand illustration and a compact, 200-word explanation. Concepts span all of the key areas of mathematics, including Fundamentals of Mathematics, Sets and Numbers, Geometry, Equations, Limits, Functions and Calculus, Vectors and Algebra, Complex Numbers, Combinatorics, Number Theory, and more. Learn the core concepts of nursing care and apply them to the clinical setting! Concepts for Nursing Practice, 3rd Edition uses a simplified, intuitive approach to describe 57 important concepts relating to all areas of nursing practice. For easier understanding, this book also makes connections among related concepts and links you to other nursing textbooks. Exemplars for each concept provide useful examples and models, showing how concepts are successfully applied to practice. New to this edition are updated research evidence and a new Population Health concept. Written by conceptual learning expert Jean Giddens, this text will help you build clinical reasoning skills and prepare confidently for almost any clinical nursing situation. Authoritative content written by expert contributors and meticulously edited by concept-based learning expert Jean Giddens sets the standard for the rapidly growing concept-based curriculum movement. A total of 57 important nursing concepts are clearly defined and analyzed, spanning the areas of patient physiology, patient behavior, and the professional nursing environment. Case studies in each chapter make it easier to apply knowledge of nursing concepts to real-world situations. UNIQUE! Featured Exemplars sections describe selected exemplars related to each nursing concept, covering the entire lifespan and all clinical settings, and help you assimilate concepts into practice. UNIQUE! Logical framework of concepts by units and themes helps you form immediate connections among related concepts --- a key to conceptual learning. UNIQUE! Interrelated Concepts illustrations provide visual cues to understanding and help you make

connections across concepts. NEW! UPDATED content reflects the latest research evidence and national and international practice guidelines. NEW! Population Health concept reflects the future of nursing, in which health care organizations learn to deliver care that is high in quality, patient-centered, cost-effective, and evidence-based. NEW! Featured Exemplars sections provide a brief explanation of some of the most important exemplars. NEW! Discussion questions in case studies reinforce your understanding of each concept. NEW! UPDATED exemplar links connect you to concept exemplars in other RN- and LPN/LVN-level Elsevier nursing titles. Simple and accessible, *Science in Seconds* is a comprehensive, entertaining introduction to 200 key scientific ideas. Each concept is clearly realized with a helpful visual and a concise explanation. The concepts included span all of the key scientific disciplines, including Physics, Chemistry, Biology, Ecology, Biotechnology, Anatomy and Physiology, Medicine, Earth Science, Energy Generation, Astronomy, Spaceflight and Information Technology. Utilizing vivid, educational illustrations--inspired by scientific research suggesting that the brain best absorbs information visually--these compact and portable reference guides are ideal study buddies or holiday gifts, and enlightening reading for all. Hazel Muir studied astrophysics at Edinburgh University before becoming a staff editor and writer at *New Scientist*. Currently a freelance writer, she still regularly contributes to *BBC Sky At Night* magazine, and has also written for *Wired UK*. She has won international awards for her articles from the American Institute of Physics and the Acoustical Society of America. From the Trade Paperback edition. Make economics easy for students in grades 6-12 using *Economic Literacy: A Simplified Method for Teaching Economic Concepts*. This 96-page book presents difficult terms and concepts in a simplified format and helps students gain a better understanding of how the American economic system works. Activities allow students to explore ideas, practice research skills, access information

through technology, and find the connection between economic theories and historical events. The book also includes simulations and games that reinforce core concepts. A must-have for any forex trader, new or seasoned. Learning to trade forex doesn't have to be boring; and this fun forex guide solves that. It is a handy reference for ALL traders and investors of the foreign exchange market. It is SO valuable that you'll wonder how you survived without it. Every forex trader is getting their copy. Don't be the one without it. This is the solution that will fill the holes in your forex knowledge. If you are a seasoned trader, then use it as motivation and to stay focused. The pages are designed so you can tear them out (if you so desire) and paste them on the wall around your trading desk. This book details key property and casualty concepts rarely discussed or found in print; rather they are often left to be "discovered" over time. These important concepts are now written down for all insurance practitioners to easily access. Examples of the topics and concepts found in this book include rules for reading ANY insurance policy; why losses are excluded; contractual risk transfer; legal liability theories; "COPE" details; and the proper explanation of coinsurance concepts. Also included is a rather extensive glossary of insurance and insurance-related terms. Readers will: 1) Gain a deeper understanding of insurance theories; 2) Be better prepared to explain insurance concepts to their clients; and 3) Develop a greater appreciation and understanding of the claims valuation process. Basic concepts of EKG- A Simplified Approach 2nd Edition is an attempt to make the complex nature of EKG analysis to simple and logical endeavor. This edition of the book evolved from the encouragement and feedback that we received for our earlier edition. A 'rationalized approach with simplified analogy' method is again used throughout this book. We strongly believe in the simple to complex and concrete to abstract nature of student learning and therefore, made a substantial effort to deconstruct complex concepts of EKG in to simple building blocks. We would

like our readers to consider this book as one of the basic textbooks they use to build a strong foundation for advanced learning. To what extent is memory based on mood? Why do we compare ourselves to others? Are there different types of intelligence? How do we change with age? This book answers all these questions and many more in 200 short and accessible essays. From Pavlov's dogs to experimental ethics and from the development of personality to cognitive behavioural therapy, this book will take you from the foundations of psychological thought to modern-day applications, drawing on recent research and established theories. Each essay is accompanied by an illustration or diagram to help unravel complex ideas. The principles of psychology apply to each and every one of us as they shed light on everything from our childhood development to our interaction with others - and Psychology in Minutes is the perfect insight to this fascinating subject. Contents include: Behaviourism, Experimental ethics, Problem solving, Illusions and paradoxes, Dream analysis, Management and leadership, Compliance and conformity, Attitudes and prejudices, Attraction, Moral development, Gender development, The big five personality traits, Classification of mental disorders, Criticisms of psychoanalysis, Positive psychology, Advertising and the media and The working environment. Written by Peter Mattock, Conceptual Maths: Teaching 'about' (rather than just 'how to do') mathematics in schools aims to empower teachers to support students on a comprehensive and coherent journey through school mathematics. Showcasing the best models, metaphors and representations, it provides excellent examples, explanations and exercises that can be used across the curriculum. Concepts are at the heart of the study of mathematics. They are the ideas that remain constant whenever they are encountered, but which combine and build upon each other to create the mathematical universe. It is the structure of each concept that gives rise to the procedures that are used in calculation and problem-solving - and, by learning about these

structures, a learner can make sense of how different processes work and use them flexibly as need demands. In his first book, *Visible Maths*, Peter Mattock focused on the use of representations and manipulatives as images and tools and how this can provide a window into some of these mathematical structures. His aim in *Conceptual Maths* is to go deeper, beyond the procedures, and to shed greater light on the structures of the subject's different concepts. The book explores how a variety of visual tools and techniques can be used in the classroom to deepen pupils' understanding of mathematical structures, concepts and operations, including: number; addition and subtraction; multiplication and multiples; division and factors; proportionality; functionality; measures; accuracy; probability; shape and transformation; and vectors, among many others. In so doing, Peter equips teachers with the confidence and practical know-how to help learners assimilate knowledge of mathematical concepts into their schema and take their learning to the next level. Containing numerous full-colour diagrams and models to illustrate the conceptual takeaways and teaching techniques discussed, *Conceptual Maths* also includes a glossary covering the key mathematical terms. Suitable for teachers of maths in primary, secondary and post-16 settings

Islam is not just 5 Pillars. It is comprehensive guidance for all mankind for all generations for all time. Covering every aspect of life, it ranges far beyond the outward rituals, informing your attitude to this life and the next. This book aims to make abstract Islamic concepts practical and easy to understand. In addition, it answers the wide-ranging questions that many young people and adults ask. Exploring controversial topics such as sharia law, hijab and jihad, it also explains, clearly and simply, deeper questions, such as the existence of God and how we know Islam is the right religion. How do we know there is a God? Who created the Creator? How do we know that Islam is the right religion? How do we turn our daily lives into worship? Why do we pray? Are women oppressed in Islam? Why

do women need to wear the hijab (headscarf)? What is sharia law? And what is jihad? Ideal for parents, teachers, teenagers and anyone wanting to understand what it means to live Islam. This is a must have for every home. Abu Mustafa Zakariya is a health sector professional and a youth worker in the Islamic community. His background is one of science, including research, and he holds multiple degrees and diplomas including a higher research doctorate degree. He is settled in the UK with his wife and children. Abu Mustafa is a student of Islamic knowledge. He has studied with authentic, erudite, classical scholars with whom he continues his learning. This book is a summary of his journey so far, explaining essential knowledge to the reader in a way that's easy to grasp.

Features Fully updated and thoroughly revised edition 100+ New questions have been added from all recent exams up to PGI (May 2018) New Drugs and Recent Advances have been included New chapter on Community Ophthalmology has been added with emphasis on recent changes in policy by NPCB Chapter on Cornea has been completely updated Correlate boxes have been added as New Feature One Liners for quick revision at the end of each chapter Questions with important explanations have been given in Red color TIDE book - text which guides in the right direction Both simple and accessible, Science in Seconds is a visually led introduction to 200 key scientific ideas. Each concept is incredibly quick and easy to remember, described by means of an easy-to-understand picture and a maximum 200-word explanation. Concepts span all of the key scientific disciplines including Physics, Chemistry, Biology, Ecology, Biotechnology, Anatomy and Physiology, Medicine, Earth Science, Energy Generation, Astronomy, Spaceflight and Information Technology.

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