Getal Ruimte Wiskunde B Vwo Boek 1

The fun and easy way to get down to business with statistics Stymied by statistics? No fear? this friendly guide offers clear, practical explanations of statistical ideas, techniques, formulas, and calculations, with lots of examples that show you how these concepts apply to your everyday life. Statistics For Dummies shows you how to interpret and critique graphs and charts, determine the odds with probability, guesstimate with confidence using confidence intervals, set up and carry out a hypothesis test, compute statistical formulas, and more. Tracks to a typical first semester statistics course Updated examples resonate with today's students Explanations mirror teaching methods and classroom protocol Packed with practical advice and real-world problems, Statistics For Dummies gives you everything you need to analyze and interpret data for improved classroom or on-the-job performance.

Model-Centered Learning: Pathways to Mathematical Understanding Using GeoGebra is the first book to report on the international use of GeoGebra and its growing impact on mathematics teaching and learning. Supported by new developments in model-centered learning and instruction, the chapters in this book move beyond the traditional views of mathematics and mathematics teaching, providing theoretical perspectives and examples of practice for enhancing students' mathematical understanding through mathematical and didactical modeling. Designed specifically for teaching mathematics, GeoGebra integrates dynamic multiple representations in a conceptually rich learning environment that supports the exploration, construction, and evaluation of mathematical models and simulations. The open source nature of GeoGebra has led to a growing international community of mathematicians, teacher educators, and classroom teachers who seek to tackle the challenges and complexity of mathematics education through a grassroots initiative using instructional innovations. The chapters cover six themes: 1) the history, philosophy, and theory behind GeoGebra, 2) dynamic models and simulations, 3) problem solving and attitude change, 4) GeoGebra as a cognitive and didactical tool, 5) curricular challenges and initiatives, 6) equity and sustainability in technology use. This book should be of interest to mathematics educators, mathematicians, and graduate students in STEM education and instructional technologies.

'Devastatingly good' - Clare Mackintosh, author of After The End 13 Reasons Why meets The Wasp Factory in an impossible to put down thriller that will take your breath away. Last year, Ollie Morcombe was a star pupil, popular and a gifted musician. Then, after the accident, everything changed. Now he's an outcast, a prime target of the school bullies who have made his life a living hell. Today - the last day of the school year - he's brought those bullies a gift. A homemade pipe bomb. What has driven a model student to plan an unspeakable revenge? And with the clock ticking down to home time, what can anybody do to stop him? 'A powerfully charged study in empathy' - Financial Times 'A sensitive, gripping book about mental health and masculinity' - Samuel Pollen, author of The Year I Didn't Eat

In a multicultural environment, having intercultural competences is the most important determining factor between success and failure. This concise book introduces the topic for students and scholars. Building upon an accessible understanding of cultural differences, the author provides various models for understanding and framing culture. Theory is linked to practice by examining how to deal with intercultural conflicts via practical examples and advice. Students striving to perform well in intercultural environments, will benefit from reading this book which helps them convert models and cultural knowledge into practical skills.

This text provides a reader-friendly guide to the structural patterns of modern standard Hindi. Ideal for both independent learners and classroom students alike, this book covers the essentials of Hindi grammar in readable, jargon-free sections. Key features include: sections on the speech sounds of Hindi detailed analysis of Hindi sentence structure full examples throughout.

The companion volume to Fadiman's Fantasia Mathematica, this second anthology of mathematical writings is even more varied and contains stories, cartoons, essays, rhymes, music, anecdotes, aphorisms, and other oddments. Authors include Arthur C. Clarke, Isaac Asimov, Mark Twain, Lewis Carroll, and many other renowned figures.

Iran, 1969. In the house of the mosque, the family of Aqa Jaan has lived for eight centuries. The house teems with life, played out under the watchful eyes of the storks that nest on the minarets above. But this family will experience upheaval unknown to previous generations. For in Iran, political unrest is brewing. The shah is losing his hold on power; the ayatollah incites rebellion from his exile in France; and one day the ayatollah returns. The consequences will be felt in every corner of Aqa Jaan's family.

Voorts een alphabetische lijst van Nederlandsche boeken in België uitgegeven.

Presents a further selection of essays, ranging from the politically correct, to the perfectly obscure: from The Prospects of Democracy to Men Versus Insects.

In this invaluable book, the basic mathematical properties of the golden ratio and its occurrence in the dimensions of two- and three-dimensional figures with fivefold symmetry are discussed. In addition, the generation of the Fibonacci series and generalized Fibonacci series and their relationship to the golden ratio are presented. These concepts are applied to algorithms for searching and function minimization. The Fibonacci sequence is viewed as a one-dimensional aperiodic, lattice and these ideas are extended to two- and three-dimensional Penrose tilings and the concept of incommensurate projections. The structural properties of aperiodic crystals and the growth of certain biological organisms are described in terms of Fibonacci sequences.

`Math through the Ages' is a treasure, one of the best history of math books at its level ever written. Somehow, it manages to stay true to a surprisingly sophisticated story, while respecting the needs of its audience. Its overview of the subject captures most of what one needs to know, and the 30 sketches are small gems of exposition that stimulate further exploration. --Glen van Brummelen, Quest University, President (2012-14) of the Canadian Society for History and Philosophy of Mathematics Where did math come from? Who thought up all those algebra symbols, and why? What is the story behind π? ... negative numbers? ... the metric system? ... quadratic equations? ... sine and cosine? ... logs? The 30 independent historical sketches in Math through the Ages answer these questions and many others in an informal, easygoing style that is accessible to teachers, students, and anyone who is curious about the history of mathematical ideas. Each sketch includes Questions and Projects to help you learn more about its topic and to see how the main ideas fit into the bigger picture of history. The 30 short stories are preceded by a 58-page bird's-eye overview of the entire panorama of mathematical history, a whirlwind tour of the most important people, events, and trends that shaped the mathematics we know today. ``What to Read Next'' and reading

suggestions after each sketch provide starting points for readers who want to learn more. This book is ideal for a broad spectrum of audiences, including students in history of mathematics courses at the late high school or early college level, pre-service and in-service teachers, and anyone who just wants to know a little more about the origins of mathematics.

Statistics defined. Some history of statistics. Statistics and the scientific method. studying statistic; Probability. Sampling from a normal distribution. Comparisons involving two sample means. Principles of experimental design. Analysis of variance I: the one-way classification. Analysis of variance II: multiway classifications. Linear regression. Linear correlation. Analysis of variance III: Factorial experiments. Analysis of variance IV: split-plot designs and analysis. Analysis of variance V: unequal subclass numbers. Multiple and partial regression and correlation. Analysis of covariance. Nonlinear regression. Some uses of chi-square. Enumeration data I: one-way classifications. Enumeration data II: contingency tables. Some discrete distributions. Nonparametric statistics. Sampling finite populations.

'My favourite author has done it again. Numbers Don't Lie is by far his most accessible book to date, and I highly recommend it to anyone who is curious about the world' Bill Gates Is flying dangerous? How much do the world's cows weigh? And what makes people happy? From Earth's nations and inhabitants, through the fuels and foods that energize them, to the transportation and inventions of our modern world - and how all of this affects the planet itself - in Numbers Don't Lie, Professor Vaclav Smil takes us on a fact-finding adventure, using surprising statistics and illuminating graphs to challenge lazy thinking. Smil is on a mission to make facts matter, because after all, numbers may not lie, but which truth do they convey? 'Smil's title says it all: to understand the world, you need to follow the trendlines, not the headlines. This is a compelling, fascinating, and most important, realistic portrait of the world and where it's going' Steven Pinker 'The best book to read to better understand our world. It should be on every bookshelf!' Linda Yueh 'There is perhaps no other academic who paints pictures with numbers like Smil' Guardian

Bullshit isn't what it used to be. Now, two science professors give us the tools to dismantle misinformation and think clearly in a world of fake news and bad data. "A modern classic . . . a straight-talking survival guide to the mean streets of a dying democracy and a global pandemic."—Wired Misinformation, disinformation, and fake news abound and it's increasingly difficult to know what's true. Our media environment has become hyperpartisan. Science is conducted by press release. Startup culture elevates bullshit to high art. We are fairly well equipped to spot the sort of old-school bullshit that is based in fancy rhetoric and weasel words, but most of us don't feel qualified to challenge the avalanche of new-school bullshit presented in the language of math, science, or statistics. In Calling Bullshit, Professors Carl Bergstrom and Jevin West give us a set of powerful tools to cut through the most intimidating data. You don't need a lot of technical expertise to call out problems with data. Are the numbers or results too good or too dramatic to be true? Is the claim comparing like with like? Is it confirming your personal bias? Drawing on a deep well of expertise in statistics and computational biology, Bergstrom and West exuberantly unpack examples of selection bias and muddled data visualization, distinguish between correlation and causation, and examine the susceptibility of science to modern bullshit. We have always needed people who call bullshit when necessary, whether within a circle of friends, a community of scholars, or the citizenry of a nation. Now that bullshit has evolved, we need to relearn the art of skepticism.

This book gives introductory chapters on the classical basic and standard methods for asymptotic analysis, such as Watson's lemma, Laplace's method, the saddle point and steepest descent methods, stationary phase and Darboux's method. The methods, explained in great detail, will obtain asymptotic approximations of the well-known special functions of mathematical physics and probability theory. After these introductory chapters, the methods of uniform asymptotic analysis are described in which several parameters have influence on typical phenomena: turning points and transition points, coinciding saddle and singularities. In all these examples, the special functions are indicated that describe the peculiar behavior of the integrals. The text extensively covers the classical methods with an emphasis on how to obtain expansions, and how to use the results for numerical methods, in particular for approximating special functions. In this way, we work with a computational mind: how can we use certain expansions in numerical analysis and in computer programs, how can we compute coefficients, and so on. Contents:Basic Methods for IntegralsBasic Methods: Examples for Special FunctionsOther Methods for IntegralsUniform Methods for IntegralsUniform Methods for Laplace-Type IntegralsUniform Examples for Special FunctionsA Class of Cumulative Distribution Functions Readership: Researchers in applied mathematics, engineering, physics, mathematical statistics, probability theory and biology. The introductory parts and examples will be useful for post-graduate students in mathematics. Key Features:The book gives a complete overview of the classical asymptotic methods for integralsThe many examples give insight in the behavior of the well-known special functionsThe detailed explanations on how to obtain the coefficients in the expansions make the results useful for numerical applications, in particular, for computing special functionsThe many results on asymptotic representations of special functions supplement and extend those in the NIST Handbook of Mathematical FunctionsKeywords:Asymptotic Analysis;Approximation of Integrals;Asymptotic Approximations;Asymptotic Expansions;Steepest Descent Methods;Saddle Point Methods;Stationary Phase Method;Special Functions;Numerical Approximation of Special Functions;Cumulative Distribution FunctionsReviews: "The book is a useful contribution to the literature. It contains many asymptotic formulas that can be used by practitioners." Zentralblatt MATH

This book offers 150 12-lead ECGs and rhythm strips, each with a clinical case history and question. The full ECG is reproduced and a study of it with the case history should be enough to give an answer. On the back the case is examined, with a description of the main features of the ECG along with a clinical interpretation and a "what to do" section. The cases are graded in difficulty. The unique page size allows presentation of all 12-lead ECGs across a single page for clarity. Several of the cases incorporate chest X-rays and coronary angiograms illustrating the appearances that are associated with various cardiac conditions. All the cases are graded in difficulty and are cross-referenced to the new editions of ECG Made Easy and ECG in Practice for further information. For this Fourth Edition over 30 new ECGs have been included, mainly to provide clearer examples, though the book deliberately retains some technically poor records to maintain a 'real-world' perspective.

In Making Every Maths Lesson Count: Six principles to support great maths teaching, experienced maths teacher and lecturer Emma McCrea takes away the guesswork as she sums up the key components of effective maths teaching. Maths classrooms are incredibly complex places. At any given time, the factors influencing the effectiveness of your teaching are boundless and this can lead to relying on intuition as to what might work best. This book aims to signpost a route through this complexity. Writing in the practical, engaging style of the award-winning Making Every Lesson Count, Emma McCrea helps teachers to move beyond trial and error by sharing evidence-informed tips and suggestions on how they can nudge the impact of their teaching in the right direction. Making Every Maths Lesson Count is underpinned by six pedagogical principles challenge, explanation, modelling, practice, feedback and questioning and presents 52 high-impact strategies designed to streamline teacher workload and ramp up

the level of challenge in the maths classroom. The book draws out the key findings from the latest research on memory, learning and motivation and each chapter features numerous worked examples to demonstrate the theory in action, together with a concluding series of questions that will help maths practitioners relate the content to their own classroom practice. Furthermore, Emma's writing offers clarity around the language of maths teaching and learning, and also delves into the finer points of how to identify and address any misconceptions that students may hold. Written for new and experienced practitioners alike, this gimmick-free guide provides sensible solutions to perennial problems and inspires a rich, challenging and evidence-based approach to the teaching of maths. Suitable for maths teachers of students aged 11 to 18 years, and for primary school maths specialists.

No number has captured the attention and imagination of people throughout the ages as much as the ratio of a circle's circumference to its diameter. Pi–or ? as it is symbolically known–is infinite and, in The Joy of pi, it proves to be infinitely intriguing. With incisive historical insight and a refreshing sense of humor, David Blatner explores the many facets of pi and humankind's fascination with it–from the ancient Egyptians and Archimedes to Leonardo da Vinci and the modern-day Chudnovsky brothers, who have calculated pi to eight billion digits with a homemade supercomputer. The Joy of Pi is a book of many parts. Breezy narratives recount the history of pi and the quirky stories of those obsessed with it. Sidebars document fascinating pi trivia (including a segment from the 0. J. Simpson trial). Dozens of snippets and factoids reveal pi's remarkable impact over the centuries. Mnemonic devices teach how to memorize pi to many hundreds of digits (or more, if you're so inclined). Pi-inspired cartoons, poems, limericks, and jokes offer delightfully "square" pi humor. And, to satisfy even the most exacting of number jocks, the first one million digits of pi appear throughout the book. A tribute to all things pi, The Joy of pi is sure to foster a newfound affection and respect for the big number with the funny little symbol.

This second edition updates a course which has proven to be a perfect fit for classes the world over. Engaging content and a strong focus on grammar and vocabulary combine to make this course a hit with both teachers and students. Popular course features have been refreshed with new content, including the imaginative reading and listening topics, 'Culture in Mind', and 'Everyday English' sections. New for the second edition is a DVD-ROM with the Level 1 Student's Book containing games, extra exercises and videos featuring the photostories' characters as well as a 'Videoke' record-yourself function. There is a full 'Vocabulary bank' at the back of the book which expands upon lexical sets learned in the units.

This open access book, inspired by the ICME 13 Thematic Afternoon on "European Didactic Traditions", consists of 17 chapters, in which educators from the Netherlands reflect on the teaching and learning of mathematics in their country and the role of the Dutch domain-specific instruction theory of Realistic Mathematics Education. Written by mathematics teachers, mathematics teacher educators, school advisors, and developers and researchers in the field of instructional material, textbooks, and examinations, the book offers a multitude of perspectives on important issues in Dutch mathematics education, both at primary and secondary school levels. Topics addressed include the theoretical underpinnings of the Dutch approach, the subject of mathematics in the Dutch educational system, teacher education and testing, the history of mathematics education and the use of history in teaching of mathematics, changes over time in subject matter domains and in the use of technology, and the process of innovation and how the Dutch and in particular one Dutch institute have worked on the reform.

This little book is conceived as a service to mathematicians attending the 1998 International Congress of Mathematicians in Berlin. It presents a comprehensive, condensed overview of mathematical activity in Berlin, from Leibniz almost to the present day (without, however, including biographies of living mathematicians). Since many towering figures in mathematical history worked in Berlin, most of the chapters of this book are concise biographies. These are held together by a few survey articles presenting the overall development of entire periods of scientific life at Berlin. Overlaps between various chapters and differences in style between the chap ters were inevitable, but sometimes this provided opportunities to show different aspects of a single historical event - for instance, the Kronecker-Weierstrass con troversy. The book aims at readability rather than scholarly completeness. There are no footnotes, only references to the individual bibliographies of each chapter. Still, we do hope that the texts brought together here, and written by the various authors for this volume, constitute a solid introduction to the history of Berlin mathematics.

The relationships between perception and imagery, imagery and spatial processes, memory and action: These are the main themes of this text The interest of experimental psychology and cognitive neuroscience on imagery and spatial cognition is remarkably increased in the last decades. Different areas of research contribute to the clarification of the multiple cognitive processes subserving spatial perception and exploration, and to the definition of the neurophysiological mechanisms underpinning these cognitive functions. The aim of this book is to provide the reader (post-graduate students as well as experts) with a complete overview of this field of research. It illustrates the way how brain, behaviour and cognition interact in normal and pathological subjects in perceiving, representing and exploring space. (Series B). With 1901/1910-1956/1960 Repertoium is bound: Brinkman's Titel-catalohus van de gedurende 1901/1910-1956/1960 (Title varies slightly).

Recipient of the Mathematical Association of America's Beckenbach Book Prize in 2008! Leonhard Euler was one of the most prolific mathematicians that have ever lived. This book examines the huge scope of mathematical areas explored and developed by Euler, which includes number theory, combinatorics, geometry, complex variables and many more. The information known to Euler over 300 years ago is discussed, and many of his advances are reconstructed. Readers will be left in no doubt about the brilliance and pervasive influence of Euler's work.

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When Frankie Hermans emerges from a coma after 200 days, he knows his life is never going to be the same again. For a start,

he can't talk, he can't walk and it's a struggle even to wield a pen. And then there's Joe Speedboat -- a boy who arrived in the sleepy village of Lomark like a blazing comet and who's been stirring things up ever since. Whether setting off bombs, racing mopeds or building a bi-plane, Joe has the touch of a magician and the spirit of a daredevil. He also sees a use for Frankie's good right arm beyond writing: as a champion arm-wrestler Frankie will be strong enough to impress his friends, and maybe even win the favour of the gorgeous, golden-haired girl who has them all in a spin. Full of vitality, verve and chutzpah, Joe Speedboattells the fast-paced story of an unlikely friendship between two boys, and of their lightning dash towards adulthood.