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Cambridge International AS and A Level Mathematics: Pure Mathematics 1 Coursebook Cambridge International AS and A Level Mathematics: Pure Mathematics 2 & 3 Coursebook Cambridge International AS & A Level Mathematics Probability & Statistics 1 Cambridge International AS and A Level Mathematics: Probability & Statistics 2 Coursebook Cambridge International AS & A Level Mathematics Pure Mathematics 2 and 3 second edition Cambridge International AS and A Level Mathematics: Pure Mathematics 2 and 3 Revised Edition Coursebook Cambridge International AS & A Level Mathematics Pure Mathematics 1 second edition Cambridge International AS & A Level Further Mathematics Further Mechanics Cambridge International AS and A Level Mathematics: Mechanics 2 Coursebook Cambridge International AS and A Level Mathematics: Mechanics Coursebook Cambridge International AS & A Level Mathematics Mechanics Cambridge International AS & A Level Mathematics Probability & Statistics 2 Cambridge International AS and A Level Mathematics: Statistics 2 Coursebook Innovation Spaces in Asia Advanced Nanostructures for Environmental Health Cambridge International AS and A Level Mathematics: Probability & Statistics 1 Coursebook Handbook of Regional and Urban Economics Handbook of Regional and Urban Economics, vol. 5B Impacts of the Knowledge Society on Economic and Social Growth in Africa

Women, Business and the Law 2022 Allosterism in Drug Discovery Larmac Consolidated Index to the Constitution and Laws of California 2013 Investigating Google's Search Engine Commerce Reports □ □□□□□□ State-Business Alliances and Economic Development Advances in Applied Nanotechnology for Agriculture Water Ethics Big, Open and Linked Data The Routledge International Handbook of Criminology and Human Rights Bioenergy Research: Commercial Opportunities & Challenges Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018) Neuroprogression and Staging in Bipolar Disorder Cyberbullying Across the Globe Cambridge International A and AS Level Mathematics Upgrading Informal Settlements in South Africa Poverty and Inequality in Middle Income Countries Congressional Record Water-borne Commerce of the United States Handbook of Engineering Practice of Materials and Corrosion

This book gathers the best articles presented by researchers and industrial experts at the International Conference on “Innovative Design and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018)”. The papers discuss new design concepts, analysis and manufacturing technologies, with an emphasis on achieving improved performance by downsizing; improving the weight-to-strength ratio, fuel efficiency, and operational capability at room and elevated temperatures; reducing wear and tear; and addressing NVH aspects, while balancing the challenges of Euro IV/Barat Stage IV emission norms and beyond, greenhouse effects, and recyclable materials. The innovative methods discussed here offer valuable reference material for educational and research organizations, as well as industry, encouraging them to pursue challenging projects of mutual interest. This series has been developed specifically for the Cambridge International AS & A Level Mathematics (9709) syllabus to be examined from 2020. Cambridge International AS & A

Level Mathematics: Pure Mathematics 2 & 3 matches the corresponding units of the syllabus. It clearly indicates materials required for P3 study only, and contains materials on topics such as logarithmic and exponential functions, trigonometry, differentiation, integration, numerical solutions of equations, vectors and complex numbers. This coursebook contains a variety of features including recap sections for students to check their prior knowledge, detailed explanations and worked examples, end-of-chapter and cross-topic review exercises and 'Explore' tasks to encourage deeper thinking around mathematical concepts. Answers to coursebook questions are at the back of the book. This book provides a much-needed analysis of the current research in the global epidemic of electronic bullying. Scholars and professionals from the Americas, Europe, and Asia offer data, insights, and solutions, acknowledging both the social psychology and technological contexts underlying cyberbullying phenomena. Contributors address questions that are just beginning to emerge as well as longstanding issues concerning family and gender dynamics, and provide evidence-based prevention and intervention strategies for school and home. The global nature of the book reflects not only the scope and severity of cyberbullying, but also the tenacity of efforts to control and eradicate the problem. Included in the coverage:

- Gender issues and cyberbullying in children and adolescents: from gender differences to gender identity measures.
- Family relationships and cyberbullying.
- Examining the incremental impact of cyberbullying on outcomes over and above traditional bullying in North America.
- A review of cyberbullying and education issues in Latin America.
- Cyberbullying prevention from child and youth literature.
- Cyberbullying and restorative justice.

Cyberbullying across the Globe is an essential resource for researchers, graduate students, and other professionals in child and school psychology, public health, social work and counseling, educational policy, and family advocacy. Exam board: Cambridge Assessment

International Education Level: A-level Subject: Mathematics First teaching: September 2018 First exams: Summer 2020 Endorsed by Cambridge Assessment International Education to provide full support for Paper 1 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit integralmaths.org/international Please note that the Integral resources have not been through the Cambridge International endorsement process. This book covers the syllabus content for Pure Mathematics 1, including quadratics, functions, coordinate geometry, circular measure, trigonometry, series, differentiation and integration. Available in this series: Five textbooks fully covering the latest Cambridge International AS & A Level Mathematics syllabus (9709) are accompanied by a Workbook, and Student and Whiteboard eTextbooks. Pure Mathematics 1: Student Textbook (ISBN 9781510421721), Student eTextbook (ISBN 9781510420762), Whiteboard eTextbook (ISBN 9781510420779), Workbook (ISBN 9781510421844) Pure Mathematics 2 and 3: Student Textbook (ISBN 9781510421738), Student eTextbook (ISBN

9781510420854), Whiteboard eTextbook (ISBN 9781510420878), Workbook (ISBN 9781510421851) Mechanics: Student Textbook (ISBN 9781510421745), Student eTextbook (ISBN 9781510420953), Whiteboard eTextbook (ISBN 9781510420977), Workbook (ISBN 9781510421837) Probability & Statistics 1: Student Textbook (ISBN 9781510421752), Student eTextbook (ISBN 9781510421066), Whiteboard eTextbook (ISBN 9781510421097), Workbook (ISBN 9781510421875) Probability & Statistics 2: Student Textbook (ISBN 9781510421776), Student eTextbook (ISBN 9781510421158), Whiteboard eTextbook (ISBN 9781510421165), Workbook (9781510421882) This volume is third part of the five-part set on bioenergy research. This book provides insights into commercial advantages of commonly running bioenergy options. It explores various opportunities present at technical scale to produce biofuels. Moreover, the additional practical feasibility of the commercialization of existing biofuels including existing challenges and sustainable solutions to overcome from these technical hurdles. This Volume also focuses on the durability and long run sustainability on the new arrival of biofuels options which can be a suitable and easy replacement of currently available biofuels at pilot scale. Other four volumes of this set explore basic concepts, latest progress, bio-waste to energy conversion and integrated solution for bioenergy concerns. This collection offers a timely reassessment of viable ways of addressing poverty across the globe today. The profile of global poverty has changed dramatically over the past decade, and around three-quarters of the poor now live in middle income countries, making inequality a major issue. This requires us to fundamentally rethink anti-poverty strategies and policies, as many aspects of the established framework for poverty reduction are no longer effective. Featuring contributions from Latin America, Africa and Asia, this much-needed collection answers some of the key questions arising as development policy confronts the challenges of poverty and inequality on the global,

national and local scale in both urban and rural contexts. Providing poverty researchers and practitioners with valuable new tools to address new forms of poverty in the right way, *Poverty and Inequality in Middle Income Countries* shows how a radical switch from aid to redistribution-based social policies is needed to combat new forms of global poverty.

2012年1月，世界银行发布了《2015年世界发展报告》(即《2015年世界发展报告》)中关于“不平等的挑战”(第85页)一章的讨论，以及《2016年12月世界发展报告》(即《2016年12月世界发展报告》)中关于“水安全”(第8页)一章的讨论。这些讨论都强调了“水安全”和“水伦理”的重要性。然而，在学术界和政策制定者中，对水安全和水伦理的相互依存性以及其重要性仍然缺乏认识。这本书旨在填补这一空白，通过探讨三个当前的相互关联的辩论：水资源的分配、水权作为人权，以及水的商品化和私有化。这些问题创造了一个对替代方案的需求，以应对目前主要采用功利主义方法来处理水问题的做法。作者探讨了洪水和水相关风险的规范和伦理方面，并探讨了责任问题：谁应该负责纠正不平等，或在污染的情况下采取补救行动？这些问题应与正在其他学科内进行的哲学讨论，如环境伦理、气候伦理、技术伦理和气候正义联系起来，使这本书在广泛的课程中都非常重要。为上大学本科生和研究生提供了一份坚实和深入的概述，可以作为

used to influence research and practice in the field of bipolar disorder. This book would be of use to anyone working with mood disorders, and serves as a valuable resource for both researchers interested in bipolar disorder and clinicians involved in the day-to-day management of patients with this condition.-- Agricultural products influence most aspects of life, including food and feed, feedstocks for bio-based products, and everyday materials, such as fuels, textiles, and furniture. Advances in technology are necessary to address the future global needs from agriculture. Nanotechnology is a promising field focused on the unique chemical properties of materials with a dimension of 1-100 nm. Nanotechnology has the potential to revolutionize agricultural and food systems with various applications including food safety, quality, product traceability, better nutrient delivery systems, enhancing packaging performance, and improving agricultural and food processing. This volume of the ACS Symposium Series focuses on the unique challenges of applying nanotechnology to benefit the agriculture sector and the food industry. This book is based on a series of nanotechnology-related symposia sponsored by the Division of Agricultural and Food Chemistry at spring ACS national meetings between 2009 and 2013. During this period tremendous progress was made on practical applications of nano-based technologies to address agricultural problems, including those in the areas of food safety, development of new value-added biomaterials, and nutraceutical/flavor delivery. This book initiated from the interest of symposium speakers to share their work with wider audiences. Fourteen chapters were selected and written for this special issue. The chapters were developed independently and are arranged according to topic. The authors are from a wide range of disciplines and include food scientists, chemists, engineers, biologists, medical researchers, and physicists. The goal of this book is to provide the perspectives of scientists working with nanotechnology to address agricultural problems. The research presented within this

book was conducted in proper laboratory environments meeting facility, local, and national safety standards This series has been developed specifically for the Cambridge International AS & A Level Mathematics (9709) syllabus to be examined from 2020. Cambridge International AS & A Level Mathematics: Pure Mathematics 1 matches the corresponding unit of the syllabus, with a clear and logical progression through. It contains materials on topics such as quadratics, functions, coordinate geometry, circular measure, series, differentiation and integration. This coursebook contains a variety of features including recap sections for students to check their prior knowledge, detailed explanations and worked examples, end-of-chapter and cross-topic review exercises and 'Explore' tasks to encourage deeper thinking around mathematical concepts. Answers to coursebook questions are at the back of the book. This brand new series has been written for the University of Cambridge International Examinations course for AS and A Level Mathematics (9709). This title covers the requirements of P1. The authors are experienced examiners and teachers who have written extensively at this level, so have ensured all mathematical concepts are explained using language and terminology that is appropriate for students across the world. Students are provided with clear and detailed worked examples and questions from Cambridge International past papers, so they have the opportunity for plenty of essential exam practice. Each book contains a free CD-ROM which features the unique 'Personal Tutor' and 'Test Yourself' digital resources that will help students revise and reinforce concepts away from the classroom: - With Personal Tutor each student has access to audio-visual, step-by-step support through exam-style questions - The Test Yourself interactive multiple choice questions identify weaknesses and point students in the right direction Developments in methodologies, agglomeration, and a range of applied issues have characterized recent advances in regional and urban studies. Volume 5 concentrates on these developments while

treating traditional subjects such as housing, the costs and benefits of cities, and policy issues beyond regional inequalities. Contributors make a habit of combining theory and empirics in each chapter, guiding research amid a trend in applied economics towards structural and quasi-experimental approaches. Clearly distinguished from the New Economic Geography covered by Volume 4, these articles feature an international approach that positions recent advances within the discipline of economics and society at large. Editors are recognized as leaders and can attract an international list of contributors Regional and urban studies interest economists in many subdisciplines, such as labor, development, and public economics Table of contents combines theoretical and applied subjects, ensuring broad appeal to readers Cambridge AS and A Level Mathematics is a revised series to ensure full syllabus coverage. This coursebook has been revised and updated to ensure that it meets the requirements for the Mechanics 2 (M2) unit of Cambridge AS and A Level Mathematics (9709). This revised edition adds clarifications to sections on motion of a projectile, equilibrium of a rigid body and linear motion under a variable force. All of the review questions have been updated to reflect changes in the style of questions asked in the course. Exam board: Cambridge Assessment International Education Level: A-level Subject: Mathematics First teaching: September 2018 First exams: Summer 2020 Endorsed by Cambridge Assessment International Education to provide full support for Paper 2 and 3 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying

mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit integralmaths.org/international Please note that the Integral resources have not been through the Cambridge International endorsement process. This book covers the syllabus content for Pure Mathematics 2 and Pure Mathematics 3, including algebra, logarithmic and exponential functions, trigonometry, differentiation, integration, numerical solution of equations, vectors, differential equations and complex numbers. Available in this series: Five textbooks fully covering the latest Cambridge International AS & A Level Mathematics syllabus (9709) are accompanied by a Workbook, and Student and Whiteboard eTextbooks. Pure Mathematics 1: Student Textbook (ISBN 9781510421721), Student eTextbook (ISBN 9781510420762), Whiteboard eTextbook (ISBN 9781510420779), Workbook (ISBN 9781510421844) Pure Mathematics 2 and 3: Student Textbook (ISBN 9781510421738), Student eTextbook (ISBN 9781510420854), Whiteboard eTextbook (ISBN 9781510420878), Workbook (ISBN 9781510421851) Mechanics: Student Textbook (ISBN 9781510421745), Student eTextbook (ISBN 9781510420953), Whiteboard eTextbook (ISBN 9781510420977), Workbook (ISBN 9781510421837) Probability & Statistics 1: Student Textbook (ISBN 9781510421752), Student eTextbook (ISBN 9781510421066), Whiteboard eTextbook (ISBN 9781510421097), Workbook (ISBN 9781510421875) Probability & Statistics 2: Student Textbook (ISBN 9781510421776), Student eTextbook (ISBN 9781510421158), Whiteboard eTextbook (ISBN

9781510421165), Workbook (9781510421882) Women, Business and the Law 2022 is the eighth in a series of annual studies measuring progress toward gender equality in 190 economies by examining the laws and regulations that affect women's economic opportunity. The project presents eight indicators structured around women's interactions with the law as they move through their lives and careers: Mobility, Workplace, Pay, Marriage, Parenthood, Entrepreneurship, Assets, and Pension. This year, the study also includes preliminary findings and analysis of pilot data collected on the provision of childcare and the operation of laws in practice. Examining the economic decisions women make throughout their working lives, as well as progress toward gender equality over the last 50 years, the study is meant to inform research and policy discussions about the state of women's inclusion. By presenting powerful examples of change and highlighting the gaps still remaining, Women, Business and the Law 2022 is a vital tool in the work of ensuring economic empowerment for all. The data are current as of October 1, 2021. This book argues that a key dynamic behind economic development in the emerging markets is the coordination between the state and businesses. Exploring the links between institutions, state-business alliances and economic development in the context of tumultuous market transitions since the 1980s, the book tackles the formation and sustainability of coordination-inducing institutions besides their mere existence, and points out the new modalities of coordination in the age of new developmentalism. Based on extensive original research in Turkey and Mexico embedded in a comparative historical analysis, the book shows how state-business alliances have been formed, collapsed and re-formed between the respective states and shifting business actors since the launching of market transitions. It demonstrates how both the state and business actors, and their cohesiveness vs. fragmentation, play crucial roles in the making and sustainability of the institutions, which are central to state-

business alliances. It explores the emergence of new actors, the diversification of the organizational landscape, and the evolution of the ways in which the states interact with businesses throughout major economic and political transformations that helped transform the respective states and their interactions with the non-state actors. It draws on the meandering developmental trajectories of Turkey and Mexico from the 1970s to the present and goes on to draw some lessons for institution-building and market reforms in selected countries in North Africa. Innovation Spaces in Asia provides insight into how and why Asia is poised to impact global innovation. Asia is undergoing rapid developments in markets, sources of technology and user preferences. A key characteristic of the book is the rich empirical

Exam board: Cambridge Assessment International Education Level: A-level Subject: Mathematics First teaching: September 2018 First exams: Summer 2020 Endorsed by Cambridge Assessment International Education to provide full support for Paper 6 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or

subscribe to Integral, visit integralmaths.org/international Please note that the Integral resources have not been through the Cambridge International endorsement process. This book covers the syllabus content for Probability and Statistics 2, including the Poisson distribution, linear combinations of random variables, continuous random variables, sampling and estimation and hypothesis tests. Available in this series: Five textbooks fully covering the latest Cambridge International AS & A Level Mathematics syllabus (9709) are accompanied by a Workbook, and Student and Whiteboard eTextbooks. Pure Mathematics 1: Student Textbook (ISBN 9781510421721), Student eTextbook (ISBN 9781510420762), Whiteboard eTextbook (ISBN 9781510420779), Workbook (ISBN 9781510421844) Pure Mathematics 2 and 3: Student Textbook (ISBN 9781510421738), Student eTextbook (ISBN 9781510420854), Whiteboard eTextbook (ISBN 9781510420878), Workbook (ISBN 9781510421851) Mechanics: Student Textbook (ISBN 9781510421745), Student eTextbook (ISBN 9781510420953), Whiteboard eTextbook (ISBN 9781510420977), Workbook (ISBN 9781510421837) Probability & Statistics 1: Student Textbook (ISBN 9781510421752), Student eTextbook (ISBN 9781510421066), Whiteboard eTextbook (ISBN 9781510421097), Workbook (ISBN 9781510421875) Probability & Statistics 2: Student Textbook (ISBN 9781510421776), Student eTextbook (ISBN 9781510421158), Whiteboard eTextbook (ISBN 9781510421165), Workbook (9781510421882) This series has been developed specifically for the Cambridge International AS & A Level Mathematics (9709) syllabus to be examined from 2020. Cambridge International AS & A Level Mathematics: Probability & Statistics 2 matches the corresponding unit of the syllabus, with a clear and logical progression through. It contains materials on topics such as hypothesis testing, Poisson distribution, linear combinations and continuous random variables, and sampling. This coursebook contains a variety of features including

recap sections for students to check their prior knowledge, detailed explanations and worked examples, end-of-chapter and cross-topic review exercises and 'Explore' tasks to encourage deeper thinking around mathematical concepts. Answers to coursebook questions are at the back of the book. Advanced Nanostructures for Environmental Health shows how advanced nanostructures are used to meet the most important challenges of our age. The book presents examples of how advanced nanostructures can detect and remove pollutants and other contaminant harmful to people's health and provides examples of diagnosis tools based on advanced nanostructures. Treatment possibilities with the use of nanostructures, such as phototherapeutic applications, radiation based treatment methods, and drug delivery systems are also explored. Takes an interdisciplinary approach to the use of advanced nanostructures for applications, including both environmental science and biomedical perspectives Includes a range of case studies to show how nanomaterials are being used to solve real-life challenges Covered applications include the detection of pharmaceuticals, pesticides, (heavy) metals and metalloids, gas molecules, bacteria, viruses, and for water and air decontamination by advanced oxidation processes Developments in methodologies, agglomeration, and a range of applied issues have characterized recent advances in regional and urban studies. Volume 5 concentrates on these developments while treating traditional subjects such as housing, the costs and benefits of cities, and policy issues beyond regional inequalities. Contributors make a habit of combining theory and empirics in each chapter, guiding research amid a trend in applied economics towards structural and quasi-experimental approaches. Clearly distinguished from the New Economic Geography covered by Volume 4, these articles feature an international approach that positions recent advances within the discipline of economics and society at large. Emphasizes advances in applied econometrics and the blurring of "within" and "between"

cities Promotes the integration of theory and empirics in most chapters Presents new research on housing, especially in macro and international finance contexts More than 1.2 million households in South Africa live in informal settlements, without access to adequate shelter, services or secure tenure. There has been a gradual shift to upgrading these informal settlements in recent years, and there have been some innovative experiments. Upgrading Informal Settlements in South Africa: a partnership-based approach examines the successes and challenges of informal settlement upgrading initiatives in South Africa and contextualises these experiences within global debates about informal settlement upgrading and urban transformation. The book discusses:

- The South African informal settlement upgrading agenda from local, national and international perspectives
- South African 'city experiences' with informal housing and upgrading
- The role of partnerships, actors and capabilities in pursuing an incremental upgrading agenda
- Tools, instruments and methodologies for incremental upgrading
- Implications of the upgrading agenda for the transformation of cities

The book has been written and edited by a wide range of practitioners and researchers from government, NGOs, the private sector and academia. It covers theory and practice and represents a vast accumulated body of housing experience in South Africa. In a world that is essentially digitizing, some have argued that the idea of the knowledge society holds the greatest promise for Africa's rapid socio-economic transformation. Impacts of the Knowledge Society on Economic and Social Growth in Africa aims to catalyze thinking and provide relevant information on the complex ways in which the information age is shaping Africa and the implications that this will have for the continent and the world. This premier reference volume will provide policy analysts, policymakers, academics, and researchers with fresh insights into the key empirical and theoretical matters framing Africa's ongoing digitization. This series has been developed specifically for the

Cambridge International AS & A Level Mathematics (9709) syllabus to be examined from 2020. Cambridge International AS & A Level Mathematics: Probability & Statistics 1 matches the corresponding unit of the syllabus, with a clear and logical progression through. It contains materials on topics such as data, variation, probability, permutations and combinations, binomial and geometric distributions, and normal distribution. This coursebook contains a variety of features including recap sections for students to check their prior knowledge, detailed explanations and worked examples, end-of-chapter and cross-topic review exercises and 'Explore' tasks to encourage deeper thinking around mathematical concepts. Answers to coursebook questions are at the back of the book. This series has been developed specifically for the Cambridge International AS & A Level Mathematics (9709) syllabus to be examined from 2020. Cambridge International AS & A Level Mathematics: Mechanics matches the corresponding unit of the syllabus, with clear and logical progression through. It contains materials on topics such as velocity and acceleration, force and motion, friction, connected particles, motion in a straight line, momentum, and work and energy. This coursebook contains a variety of features including recap sections for students to check their prior knowledge, detailed explanations and worked examples, end-of-chapter and cross-topic review exercises and 'Explore' tasks to encourage deeper thinking around mathematical concepts. Answers to coursebook questions are at the back of the book. "This popular series has been fully revised and updated to provide full coverage of the latest Cambridge AS and A Level Mathematics syllabus (9709). The renowned author team provide clear and detailed narrative explanations, combined with a variety of new material and questions, which have been added to all of the titles in the series to ensure that students continue to be engaged and have access to everything they need to master the mathematical skills required of the course. Along with full revisions of the content, this trusted and

challenging series also has a refreshed appearance with each book continuing to cover one syllabus unit (except P2 and P3 which are covered in a combined volume)." --Publisher description. Exam board: Cambridge Assessment International Education Level: A-level Subject: Mathematics First teaching: September 2018 First exams: Summer 2020 Endorsed by Cambridge Assessment International Education to provide full support for Paper 3 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit integralmaths.org/international Please note that the Integral resources have not been through the Cambridge International endorsement process. Answers to exercise questions are on Cambridge Extras: www.hoddereducation.co.uk/cambridgeextras This book covers the syllabus content for Further Mechanics, including motion of a projectile, equilibrium of a rigid body, circular motion, Hooke's law, linear motion under a variable force and momentum. About the series: Four separate textbooks ensure full coverage of the latest Cambridge International AS & A Level Further Mathematics

syllabus (9231). Student and Whiteboard eTextbook editions are also available. Further Pure Mathematics 1: Student Textbook (ISBN 9781510421783), Student eTextbook (ISBN 9781510422025), Whiteboard eTextbook (ISBN 9781510422032) Further Pure Mathematics 2: Student Textbook (ISBN 9781510421790), Student eTextbook (ISBN 9781510422063), Whiteboard eTextbook (ISBN 9781510422070) Further Mechanics: Student Textbook (ISBN 9781510421806), Student eTextbook (ISBN 9781510422100), Whiteboard eTextbook (ISBN 9781510422117) Further Probability & Statistics: Student Textbook (ISBN 9781510421813), Student eTextbook (ISBN 9781510422148), Whiteboard eTextbook (ISBN 9781510422155) This book examines the recent evolution of the concept of data as an economic and managerial phenomenon. The author first describes and discusses open data and then introduces the concept of linked data, with a focus on assets for reuse. Furthermore, he addresses the main challenges of big data. Value is identified as the main incentive for the adoption of linked data; accordingly, the next two chapters study sources of data value from a macroeconomic and micro economic perspective, respectively. This contributes to the systematization of important issues at the crossroads of enterprise data and data sharing: data ownership, personal data, and data privacy. In turn, the book reveals the role of innovation as a main vehicle for creating value by unifying big, open, and linked data. It studies the ways in which value can be created, transferred, and captured in the form of business models, before the closing chapter verifies the data unification model by combining open and linked geographical data with big data from a major telecom company. Exam board: Cambridge Assessment International Education Level: A-level Subject: Mathematics First teaching: September 2018 First exams: Summer 2020 Endorsed by Cambridge Assessment International Education to provide full support for Paper 5 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible

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www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit integralmaths.org/international Please note that the Integral resources have not been through the Cambridge International endorsement process. This book covers the syllabus content for Probability and Statistics 1, including representation of data, permutations and combinations, probability, discrete random variables and the normal distribution. Available in this series: Five textbooks fully covering the latest Cambridge International AS & A Level Mathematics syllabus (9709) are accompanied by a Workbook, and Student and Whiteboard eTextbooks. Pure Mathematics 1: Student Textbook (ISBN 9781510421721), Student eTextbook (ISBN 9781510420762), Whiteboard eTextbook (ISBN 9781510420779), Workbook (ISBN 9781510421844) Pure Mathematics 2 and 3: Student Textbook (ISBN 9781510421738), Student eTextbook (ISBN 9781510420854), Whiteboard eTextbook (ISBN 9781510420878), Workbook (ISBN 9781510421851) Mechanics: Student Textbook (ISBN 9781510421745), Student eTextbook (ISBN 9781510420953), Whiteboard eTextbook (ISBN 9781510420977), Workbook (ISBN 9781510421837) Probability &

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