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Monday 13 May 2013 – **Afternoon**

AS GCE MATHEMATICS

4721/01   Core Mathematics 1

QUESTION PAPER

Model Solutions

Candidates answer on the Printed Answer Book.

OCR supplied materials:
- Printed Answer book 4721/01
- List of Formulae (MF1)

Other materials required:
None

Duration: 1 hour 30 minutes

You can do it !

Ocr Math Core 1 June 2013

Ben Woolley

Ocr Math Core 1 June 2013:

A Level Further Mathematics for OCR A Pure Core Student Book 1 (AS/Year 1) Ben Woolley,2017-08-31 New 2017 Cambridge A Level Maths and Further Maths resources to help students with learning and revision Written for the OCR AS A Level Further Mathematics specification for first teaching from 2017 this print Student Book covers the Pure Core content for AS and the first year of A Level It balances accessible exposition with a wealth of worked examples exercises and opportunities to test and consolidate learning providing a clear and structured pathway for progressing through the course It is underpinned by a strong pedagogical approach with an emphasis on skills development and the synoptic nature of the course Includes answers to aid independent study **Encouraging Learning** James Nottingham,2013-05-29 I recommend this book to anyone wishing to help children learn In it you will find some lovely ideas for improving the way we encourage support and praise all young people Professor Carol Dweck author of Mindset Stanford University USA James has developed a rare skill for blending arresting anecdotes hard edged research and practical advice into a truly compelling narrative Professor Barry Hymer author of the Gifted and Talented Pocket Book Cumbria University UK Over the last 20 years James Nottingham has studied how children learn He has taught every age group in both primary and secondary schools helped deaf teenagers deal with anger and isolation and even done philosophy with three year olds In this inspiring humorous and practical book he shows what you can do to help children of all ages develop into confident thoughtful and independent learners Based around the acronym ASK this book explores attitudes skills and knowledge to learning what is required and how to develop these skills more effectively It shows how to encourage independent thinking and a spirit of inquiry in your children Highlights include the dangers of calling our children clever bright and gifted the best ways to teach wisdom how to help children excel in exams why curiosity did not kill the cat With a foreword written by John Hattie Encouraging Learning draws on research from some of the most respected experts on thinking and learning to identify the best ways to help children learn more effectively efficiently and co operatively For everyone living or working with children particularly teachers parents carers and youth workers this book shows you some of the best ways to enhance children s learning including how to question praise and encourage more effectively Architecture of Computing Systems Christian Hochberger,Lars Bauer,Thilo Pionteck,2021-07-14 This book constitutes the proceedings of the 34th International Conference on Architecture of Computing Systems ARCS 2021 held virtually in July 2021 The 12 full papers in this volume were carefully reviewed and selected from 24 submissions 2 workshop papers VEFRE are also included ARCS has always been a conference attracting leading edge research outcomes in Computer Architecture and Operating Systems including a wide spectrum of topics ranging from fully integrated self powered embedded systems up to high performance computing systems It also provides a platform covering newly emerging and cross cutting topics such as autonomous and ubiquitous systems reconfigurable computing and acceleration neural networks and artificial intelligence The selected papers cover a

variety of topics from the ARCS core domains including heterogeneous computing memory optimizations and organic computing **Border Security, 2015** United States. Congress. Senate. Committee on Homeland Security and Governmental Affairs,2016 *Developing, Delivering, and Sustaining School Counseling Practices Through a Culturally Affirming Lens* Brant-Rajahn, Sarah N.,Gibson, Eva M.,Cook Sandifer, Mariama,2022-05-06 Systemic oppression continues to disenfranchise students at the intersections of race ethnicity gender identity sexual orientation immigrant status religion ableism and economic status Because of this school counselors are called to function as advocates and change agents but often find themselves underprepared to address these oppressive systems in schools It is vital that school counselors are provided resources that enable them to increase their preparedness and allow them to address oppressive practices within schools as well as work with diverse populations using culturally affirming and antiracist practices Developing Delivering and Sustaining School Counseling Practices Through a Culturally Affirming Lens informs culturally affirming and antiracist professional practice and advocacy work by school counselors It serves as a learning tool that better prepares school counselors to address the needs of marginalized students and work as effective change agents to disrupt systemic oppression in school settings Covering topics such as professional identity racial trauma and social justice this book serves as a dynamic resource for school counselor educators school counselors in training school counselors directors supervisors district leaders and administration researchers and academicians as they implement antiracist social justice and culturally affirming practices in school settings and academia **The Times Index** ,2013-06 Indexes the Times Sunday times and magazine Times literary supplement Times educational supplement Time educational supplement Scotland and the Times higher education supplement **Advanced Maths Essentials** Keith Gordon,Janet Crawshaw,Karim Hirani,2005 Perfect preparation for the new OCR AS and A2 Maths Modules **Core 3 and 4 for OCR** Douglas Quadling,Hugh Neill,2005-01-27 Fully endorsed by OCR for use with OCR Mathematics GCE specification **OCR A Level Further Mathematics Core Year 1 (AS)** Ben Sparks,Claire Baldwin,John du Feu,Jean-Paul Muscat,2017-09-29 Grow your students confidence in applying mathematical techniques to solving problems with resources developed specifically for the OCR specification subject experts and in conjunction with MEI Mathematics in Education and Industry OCR A Level Further Mathematics Year 1 (AS) Ben Sparks,Claire Baldwin,2017-11-27 Grow your students confidence in applying mathematical techniques to solving problems with resources developed specifically for the OCR specification subject experts and in conjunction with MEI Mathematics in Education and Industry Develop reasoning and problem solving skills with practice questions and differentiated exercises that build mathematical techniques Help students to overcome misconceptions and develop insight into problem solving with annotated worked examples Build connections between topics with points of interest and things to notice such as links to real world examples and noticing patterns in the mathematics Enhance individual understanding with discussion points designed for the classroom Consolidate understanding with end of chapter summaries of the key points Provide clear paths of

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progression that combine pure and applied maths into a coherent whole   Maths ,2021-12   **AS-Level Maths OCR A Complete Revision and Practice** Richard Parsons,CGP Books,2011-03-01 AS Level Maths OCR A Complete Revision and Practice   *A Level Mathematics for OCR A Student Book 1 (AS/Year 1)* Ben Woolley,2017-07-06 New 2017 Cambridge A Level Maths and Further Maths resources help students with learning and revision Written for the OCR AS A Level Mathematics specifications for first teaching from 2017 this print Student Book covers the content for AS and the first year of A Level It balances accessible exposition with a wealth of worked examples exercises and opportunities to test and consolidate learning providing a clear and structured pathway for progressing through the course It is underpinned by a strong pedagogical approach with an emphasis on skills development and the synoptic nature of the course Includes answers to aid independent study

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