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Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Friday 19 May 2023

Morning (Time: 1 hour 30 minutes)

Paper reference	1MA1/1H
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Mathematics
PAPER 1 (Non-Calculator)
Higher Tier
Shadow Set 1



You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser, Formulae Sheet (enclosed). Tracing paper may be used.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- You must **show all your working**.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- **Calculators may not be used.**

Information

- The total mark for this paper is 80.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

The Maths Club Paper 1 May 2015

**Penelope M. Abernathy, JoAnn
Sciarrino**



The Maths Club Paper 1 May 2015:

The Rotarian: January 2015, Canada 2015-2016 Wayne C. Thompson, 2015-05-14 This is an annually updated presentation of Canada past and present The contents in this volume are organized into sections dealing with Canada s culture Geography people history from New France to the constitutional debates in the late 20th century political system including the constitution monarchy parliament legal and court system federalism and the provinces provincial governments parties and elections defense economy the future and a comprehensive bibliography The combination of factual accuracy and up to date detail along with its informed projections make this an outstanding resource for researchers practitioners in international development media professionals government officials potential investors and students Now in its 30th edition the content is thorough yet perfect for a one semester introductory course or general library reference Available in both print and e book formats and priced low to fit student and library budgets

The Perfect Bet Adam Kucharski, 2016-02-23 An elegant and amusing account of how gambling has been reshaped by the application of science and revealed the truth behind a lucky bet Wall Street Journal For the past 500 years gamblers led by mathematicians and scientists have been trying to figure out how to pull the rug out from under Lady Luck In The Perfect Bet mathematician and award winning writer Adam Kucharski tells the astonishing story of how the experts have succeeded revolutionizing mathematics and science in the process The house can seem unbeatable Kucharski shows us just why it isn t Even better he demonstrates how the search for the perfect bet has been crucial for the scientific pursuit of a better world

Critical Research on Sexism and Racism in STEM Fields Thomas, Ursula, Drake, Jill, 2016-06-01 Despite a higher percentage of women entering various STEM fields issues of discrimination and stereotyping continue to exist These difficulties create a potential hostile environment and a noticeable gap in opportunities advancements and compensation increases in comparison to their male counterparts Critical Research on Sexism and Racism in STEM Fields investigates the bias stereotyping and repression experienced by women within STEM based career fields Emphasizing the struggle felt by women within politics education systems business environments STEM careers as well as issues with advocacy and leadership this publication benefits professionals social activists researchers academics managers and practitioners interested in the institutionalized discrimination and prejudice women encounter in various fields

Social Commerce Efraim Turban, Judy Strauss, Linda Lai, 2015-11-17 This is a multidisciplinary textbook on social commerce by leading authors of e commerce and e marketing textbooks with contributions by several industry experts It is effectively the first true textbook on this topic and can be used in one of the following ways Textbook for a standalone elective course at the undergraduate or graduate levels including MBA and executive MBA programs Supplementary text in marketing management or Information Systems disciplines Training courses in industry Support resources for researchers and practitioners in the fields of marketing management and information management The book examines the latest trends in e commerce including social businesses social networking social

collaboration innovations and mobility Individual chapters cover tools and platforms for social commerce supporting theories and concepts marketing communications customer engagement and metrics social shopping social customer service and CRM contents the social enterprise innovative applications strategy and performance management and implementing social commerce systems Each chapter also includes a real world example as an opening case application cases and examples exhibits a chapter summary review questions and end of chapter exercises The book also includes a glossary and key terms as well as supplementary materials that include PowerPoint lecture notes an Instructor s Manual a test bank and five online tutorials

The Strategic Digital Media Entrepreneur Penelope M. Abernathy, JoAnn Sciarrino, 2018-09-28 A goldmine of strategic insights and practical business guidance covering all aspects of media entrepreneurship in the Digital Age The media industry is facing epic upheaval Revolutionary new technologies compel those in businesses as diverse as broadcasting to book publishing to radically recreate their business models or be left in history s wake At the same time those with the next big idea are eager to acquire the business know how needed to make it in today s brave new world of media Written by a uniquely well qualified author team this book addresses the concerns of both audiences Penelope Muse Abernathy and JoAnn Sciarrino provide timely lessons on everything from media financing to marketing business strategy to leadership innovation to business accounting They use numerous case studies and real world vignettes to reveal the success secrets of today s hottest media entrepreneurs as well as the fatal flaws that leads many promising new ventures down the road to ruin They begin with a primer on digital entrepreneurship basics covering how to create a winning digital business model obtain financing do business accounting identify strategic challenges and more From there they show you how to Develop sustainable customer focused strategies while overcoming the unique leadership challenges of the Digital Age Define your company s unique value proposition prioritize investments in key assets and form strategic partnerships and alliances Understand and prepare to exploit the vast potential inherent in the next generation of digital technologies including artificial intelligence virtual reality and blockchain among others The two companion websites feature a wealth of supplemental material including updates instructional videos essays by media leaders as well as PowerPoint presentations and study guides for instructors Packed with practical insights and guidance on all aspects of the business of media in the Digital Age The Strategic Digital Media Entrepreneur is a must have resource for professionals and students alike in advertising marketing business strategy entrepreneurship finance social media and more

[Aquatic Monocotyledons of North America](#) Donald H. Les, 2020-05-10 Aquatic Monocotyledons of North America brings together information on the natural history ecology and systematics of North American aquatic monocotyledons The book is an overview of the biology of major aquatic species by compiling information from numerous sources that lie scattered among the primary literature herbarium databases and other reference sources Information on more than 300 species in 87 genera of monocotyledons will be included Recent phylogenetic analyses will be incorporated Although focusing specifically on North America the

cosmopolitan distribution of many aquatic plants should make this an attractive text to people working virtually anywhere outside of the region as well

California Alumni Fortnightly ,1928 The Early Years Foundation Stage Ioanna Palaologou,2024-08-09 The revised fifth edition of The Early Years Foundation Stage has been fully updated to cover revised EYFS revised Development Matters and policy shifts in the sector New to the book Brand new chapters on the Rights of the Child Children s Development Learning Theories and Planning New content on diversity and inclusion throughout all chapters New and updated case studies throughout the book including international cases Additions to chapters on children s mental health climate crisis and working with children post pandemic This market leading textbook is an essential guide for students helping them to develop an understanding of the EYFS curriculum and encouraging a critical view of the theory and policy behind it to strengthen their practice

ICMLG 2018 6th International Conference on Management Leadership and Governance Dr Vincent Ribiere,2018-05-24 These proceedings represent the work of researchers participating in the 6th International Conference on Management Leadership and Governance ICMLG 2018 which is being hosted this year by the Institute for Knowledge and Innovation Southeast Asia IKI SEA a Centre of Excellence of at Bangkok University Thailand on 24 25 May 2018

The Vertical City K. Al-Kodmany,2018-06-25 Each century has its own unique approach toward addressing the problem of high density and the 21st century is no exception As cities try to cope with rapid population growth adding 2 5 billion dwellers by 2050 and grapple with destructive sprawl politicians planners and architects have become increasingly interested in the vertical city paradigm Unfortunately cities all over the world are grossly unprepared for integrating tall buildings as these buildings may aggravate multidimensional sustainability challenges resulting in a vertical sprawl that could have worse consequences than horizontal sprawl By using extensive data and numerous illustrations this book provides a comprehensive guide to the successful and sustainable integration of tall buildings into cities A new crop of skyscrapers that employ passive design strategies green technologies energy saving systems and innovative renewable energy offers significant architectural improvements At the urban scale the book argues that planners must integrate tall buildings with efficient mass transit walkable neighbourhoods cycling networks vibrant mixed use activities iconic transit stations attractive plazas well landscaped streets spacious parks and engaging public art Particularly it proposes the Tall Building and Transit Oriented Development TB TOD model as one of the sustainable options for large cities going forward Building on the work of leaders in the fields of ecological and sustainable design this book will open readers eyes to a wider range of possibilities for utilizing green resilient smart and sustainable features in architecture and urban planning projects The 20 chapters offer comprehensive reading for all those interested in the planning design and construction of sustainable cities

Occupations Directory, California Alumni Association ... California (State). University, Berkeley. Alumni Association,1928

Billboard ,1954-06-05 In its 114th year Billboard remains the world s premier weekly music publication and a diverse digital events brand content and data licensing platform Billboard publishes the most trusted

charts and offers unrivaled reporting about the latest music video gaming media digital and mobile entertainment issues and trends

Who's who in the South and Southwest ,2005 Includes names from the States of Alabama Arkansas the District of Columbia Florida Georgia Kentucky Louisiana Mississippi North Carolina Oklahoma South Carolina Tennessee Texas and Virginia and Puerto Rico and the Virgin Islands

California Monthly ,1927

Who's who in America ,1926

Women and Politics Lynne Ford,2018-05-15 Women and Politics is a comprehensive examination of women s use of politics in pursuit of gender equality How can demands for gender equality be reconciled with sex differences Resolving this paradoxical question has proceeded along two paths the legal equality doctrine which emphasizes gender neutrality and the fairness doctrine which recognizes differences between men and women The text s clear analysis and presentation of theory and history helps students to think critically about the difficulties faced by women in politics and about how public policies in education labour and the economy and family and fertility impact gender equality The fully revised fourth edition explores new critical perspectives recent political events and current challenges to gender equality including the 2016 presidential election and Hillary Clinton s candidacy the fight for equal pay and paid leave and the debate over reproductive rights and campus sexual assault It also includes current scholarship on the intersections of race class and gender and expanded coverage of minority women women in the military and conservative women This text and its two path framework is essential to understanding women s pursuit of equality via the political system

Who's who of Southern Africa ,1985 Vols for 1967 70 include as a section Who s who of Rhodesia Mauritius Central and East Africa

Teaching Computational Thinking in Primary Education Ozcinar, Huseyin,Wong, Gary,Ozturk, H. Tugba,2017-10-31 Computational technologies have been impacting human life for years Teaching methods must adapt accordingly to provide the next generation with the necessary knowledge to further advance these human assistive technologies Teaching Computational Thinking in Primary Education is a crucial resource that examines the impact that instructing with a computational focus can have on future learners Highlighting relevant topics that include multifaceted skillsets coding programming methods and digital games this scholarly publication is ideal for educators academicians students and researchers who are interested in discovering how the future of education is being shaped

Who's who in New York City and State Lewis Randolph Hamersly,John William Leonard,William Frederick Mohr,Herman Warren Knox, Frank R. Holmes,Oinfield Scott Downs,1929 Containing authentic biographies of New Yorkers who are leaders and representatives in various departments of worthy human achievement including sketches of every army and navy officer born in or appointed from New York and now serving of all the congressmen from the state all state senators and judges and all ambassadors ministers and consuls appointed from New York

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