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Candidate surname

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

### Monday 13 November 2023

Morning (Time: 1 hour 30 minutes)

Paper  
reference

**1MA1/3H**

## Mathematics

**PAPER 3 (Calculator)**  
**Higher Tier**



You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser, calculator, 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 be used.
- If your calculator does not have a  $\pi$  button, take the value of  $\pi$  to be 3.142 unless the question instructs otherwise.

#### 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.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over >



P 6 9 5 3 5 A 9 1 2 4

## 7 November 2014 Calculator Paper

**J Spring**

## 7 November 2014 Calculator Paper:

Risky business: Uptake and implementation of sustainability standards and certification schemes in the Indonesian palm oil sector Sophia M Gnych, Godwin Limberg, Gary Paoli, 2015-11-12 Evolving international sustainability norms demand greater environmental and social responsibility from business across global commodity chains from countries of origin to countries of consumption Conventional command and control regulation has had limited success in addressing negative environmental and social impacts As a result advocacy groups and NGOs have championed a diversity of market based and multi-stakeholder governance approaches aimed at shifting the private sector towards delivering more sustainable business models Multiple non-state market driven social and environmental standards have emerged for palm oil Through interviews with growers and key stakeholders in the Indonesian palm oil industry this occasional paper explores the motivations driving the uptake of sustainability standards as well as the factors supporting and preventing implementation of sustainability standards and asks what model of sustainable oil palm agriculture is ultimately being built Cambridge International AS and A Level Mathematics: Pure Mathematics 2 and 3 Revised Edition Coursebook Hugh Neill, Douglas Quadling, Julian Gilbey, 2016-07-14 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 Pure Mathematics 2 and 3 P2 and P3 units of Cambridge AS and A Level Mathematics 9709 Additional materials have been added to sections on logarithmic and exponential functions the derivative of  $\tan x$  and vectors All of the review questions have been updated to reflect changes in the style of questions asked in the course **Cambridge O Level Mathematics Coursebook** Audrey Simpson, 2016-03-17 Cambridge O Level Mathematics is a resource to accompany the revised 4024 syllabus This coursebook provides a complete course for developing and practising the skills required for the O Level Mathematics qualification The content has been written to offer a range of tasks that support all aspects of the Cambridge O Level Mathematics syllabus 4024 giving students the confidence to use the mathematical techniques required to solve the range of maths problems required With detailed explanations of concepts worked examples and exercises this coursebook can be used as a classroom text and for self study The New European Central Bank: Taking Stock and Looking Ahead Thomas Beukers, Diane Fromage, Giorgio Monti, 2022-11-28 The European Central Bank ECB was first introduced in the European legal order on the occasion of the Treaty of Maastricht 1992 An official EU institution which is governed by EU law the ECB of modern times differs vastly from its inception in 1998 which manifests in three main ways monetary policy options consideration of concerns other than low inflation in its policy making and its role in the Banking Union This edited collection offers a retrospective and prospective account of the ECB charting its evolution in detail with chapters written by leading academics and practitioners Part 1 examines the substantive changes to monetary policy introduced by the ECB as a consequence of the financial and sovereign debt crisis by considering their legal basis Part 2 moves beyond monetary policy by shifting to the

new roles that the ECB has been called upon to play notably in banking supervision and resolution Parts 3 and 4 deal with transformations to inter and intra institutional relations and take stock of these transformations reflecting on the nature of the ECB of current times and which direction it could be heading in the future The authors analyse the most salient and controversial elements of the ECB's crisis response including unconventional monetary policy measures and the ECB's risk management strategy Beyond monetary policy the book further examines the role played by objectives such as financial stability and environmental sustainability the ECB's relationship to the Lender of Last Resort function as well as its new responsibilities in the Banking Union

### **Challenges of European External Energy Governance with Emerging Powers**

Michèle Knodt,Nadine Piefer,2016-03-03 In a multipolar world with growing demand for energy not least by Emerging Powers such as Brazil India China or South Africa BICS questions of EU external energy governance would at first hand appear to be a high priority Yet reality tells a different story the EU's geographical focus remains on adjacent countries in the European neighbourhood and on issues related to energy security Despite being Strategic Partners and engaging in energy dialogues it seems that the EU is lacking strategic vision and is not perceived as a major actor in energy cooperation with the BICS Thus political momentum for energy cooperation and joint governance of scarce resources is vanishing Resulting from three years of international interdisciplinary research cooperation among academics and practitioners in Europe and the BICS countries within a project funded by the Volkswagen Foundation this volume addresses one of the greatest global challenges Specific focus lies on the bilateral energy dialogues and Strategic Partnerships between the EU and Emerging Powers regarding bilateral inter and transnational energy cooperation Furthermore the analysis provides policy recommendations in order to tap the full potential of energy cooperation between the EU and Brazil India China and South Africa

*New Jersey Register* ,2006    **Journal of the Physical Society of Japan** ,2015    **House documents** ,1895

The New Jersey Register ,2006    **Unfinished Business** Anne-Marie Slaughter,2015-10-01 Longlisted for the Orwell Prize for Books 2016 Shortlisted for the Financial Times and McKinsey Business Book of the Year Award 2015 When Anne Marie Slaughter's Atlantic article Why Women Still Can't Have it All first appeared it immediately went viral sparking a firestorm of debate across countries and continents Within four days it had become the most read article in the history of the magazine In the following months Slaughter became a leading voice in the discussion on work life balance and on women's changing role in the workplace Now Slaughter is here with her eagerly anticipated take on the problems we still face and how we can finally get past them In her pragmatic down to earth style Slaughter bursts the bubble on all the half truths we tell young women about having it all and explains what is really necessary to get true gender equality both in the workplace and at home Deeply researched and filled with all the warm wise and funny anecdotes that first made her the most trusted and admired voice on the issue Anne Marie Slaughter's book is sure to change minds ignite debate and be the topic of conversation

**Annual Report** USA Patent Office,1895

**The State of Food Security and Nutrition in the World**

**2017** Food and Agriculture Organization of the United Nations,2017 This series of reports highlights issues of food insecurity around the world It presents statistics on rates and trends in malnutrition child stunting wasting overweight and obesity breastfeeding and anaemia in women showing that though efforts to address child malnutrition are going well there are rising concerns about overweight and obesity in other parts of the world This 2017 edition also highlights the relationship between conflict and war and food security and nutrition and explains why efforts at addressing hunger must go hand in hand with those to sustain peace    *Bulletin* ,1918    *Railway Age* ,1882    **The Virginia Mathematics Teacher** ,1986

**Security Owner's Stock Guide** Standard and Poor's Corporation,1966    **The Parliamentary Debates (Hansard)**. Great Britain. Parliament. House of Lords,2010    **Russian Life** ,2011    *Memoirs of the Faculty of Engineering, Osaka City University* Ōsaka Shiritsu Daigaku. Kōgakubu,2014    **Revised Code of Washington** Washington (State),2021

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