

MATHEMATICAL ASSOCIATION



supporting mathematics in education

Welcome to the MA monthly newsletter

The Mathematical Association
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Happy Holidays!



A hearty happy holidays from everyone here at the Mathematical Association – we hope you enjoy all the festivities of the season.

Personal Membership Renewals 2018

Please look out for your membership 2018 renewal letters - they have been recently posted to you. Renew early (no later than 31st Jan 2018) to receive a £5 discount off your fee! (Please note that personal members who renew by direct debit will receive their notice letter in January 2018.)

Branch Events in January

Sussex Branch, Tuesday 23rd January 2018, 17:00

Venue: Burgess Hill School for Girls, Keymer Road, Burgess Hill, RH15 OEG
Tom Roper: 'Taxi cab geometry'

London Branch, Saturday 28 January, 10:00 -12:00

Venue: University College London, Institute of Education (UCL/IOE) Room 802 and 804, Main Building on Bedford Way, London WC1H 0AL
Charlie Gilderdale: Encouraging Curiosity in Mathematics

Please see [website page](#) for further details.

The Future of Mathematics Subject Associations

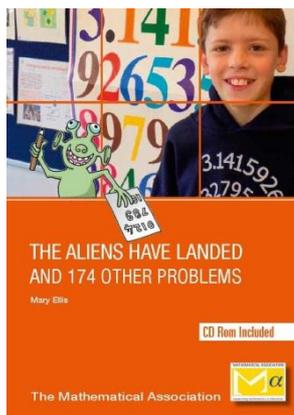
Representatives from AMET, ATM, the MA, NAMA and NANAMIC met at the Royal Society on 4 December 2017 to discuss the future of mathematics subject associations and the possibility of forming a new single association for mathematics education.

The MA's representatives at the meeting were Jennie Golding, Peter Ransom and Tom Roper. You can read the agreed notes of that meeting [here](#). Tom Roper has agreed to be the MA members' contact so please send your thoughts to him via (ropertom@outlook.com; president@m-a.org.uk).

MMSA's response to consultation on Ofqual changes

The five professional associations, AMET, ATM, MA, NAMA and NANAMIC, have joined together under the banner of the MMSA to submit a joint response to the Ofqual consultation on changes to the regulatory framework for national assessments. The response can be found [here](#).

The Aliens Have Landed and 174 Other Problems



Mary Ellis

Members' Price £7.59

Non-Members' Price £9.99

Available at the MA bookshop at <http://members.m-a.org.uk/Shop/product/1115>

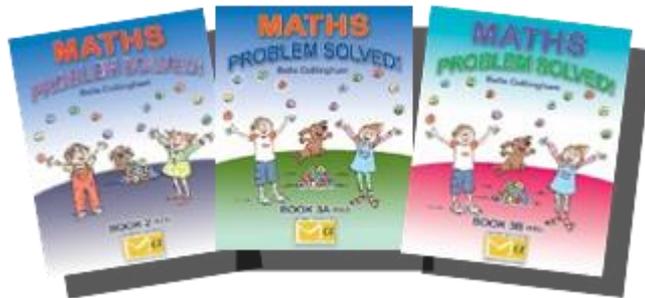
This is a collection of illustrated mathematics problems aimed at pupils in secondary schools from Year 7 upwards, although many of the questions are accessible to bright ten year olds and to anyone who likes problem solving.

Available on a CD Rom too, the questions can easily be printed out for extension work or used as weekly challenges.

Fully explained solutions are also provided in this spiral bound book.

Maths - Problem Solved! Books 2 (KS1), 3A and 3B (KS2)

Maths Problem Solved is a series of 10 problem solving books published by The Mathematical Association which is the professional body representing mathematics in the UK. Founded in 1871 it is committed to supporting mathematics in education, through materials of the highest standards that inspire, engage and enable pupils to succeed in this vital subject.



These books are for children who are happy to tackle direct questions but find it difficult to reason and problem solve – the great majority of pupils. The workbooks are built around two children, their puppy and real life situations. The idea is to draw out the underlying mathematics of the world around them and highlight the expert ways it can be used by parents and teachers with pupils throughout the Primary school. All the questions, strategies and procedures are based on the New Curriculum in Mathematics. Parents can trust these books, knowing that they offer sound, practical and expert help.

Members £5.59 / Non-members £6.99

Available in the MA Book Shop at <http://members.m-a.org.uk/Shop>

Royal Institution Masterclasses

Join the Royal Institution Masterclass team in London on the evening of 25 January for a Masterclass taster evening. Aimed at all those interested in STEM outreach (18+), you will find out about their national Mathematics, Engineering and Computer Science Masterclass programme, take part in Masterclass activities and find out how to get involved as a Masterclass volunteer or supporter. If you can't make the event but want to get involved in the programme, or are based outside of London, get in touch via masterclasses@ri.ac.uk or see [here](#) for more information.



Photo credit: Tim Mitchell



Careers guidance

On 4 December 2017, the Department for Education of the UK Government announced a new Careers Strategy for England. The announcement, with the title *Careers guidance for modern country unveiled*, can be found [here](#). Secondary schools will be expected to provide pupils with at least one meaningful interaction with businesses every year with a focus on STEM.



Debating the issues in the post-16 mathematics landscape

A Westminster Education Forum conference on *The future for Mathematics education post-16 - quantitative skills, new A-Levels and teacher development* is being held on the morning of Tuesday, 24th April 2018 in Central London (see [here](#) for more details and tickets).



Beyond teaching – the afterlife

The NFER published a research update this month on teacher retention, entitled ‘Is the Grass Greener Beyond Teaching?’ considering what happens to teachers who leave the profession after they leave. You can read it [here](#).



Technology in education show

BETT 2018 will run over four days, from 24 to 27 January 2018 at ExCeL London. For more information and to find out about the programme of content as well as register for your free pass, please visit: www.bettshow.com





Sweet!

Some [geometric puzzles](#) this month, taken from Ed Southall and Vincent Pantaloni's *Geometry Snack* and published by Alex Bellos in the Guardian. Delicious!

Compiled by Lucy Rycroft-Smith