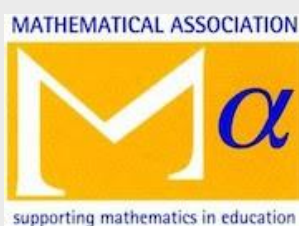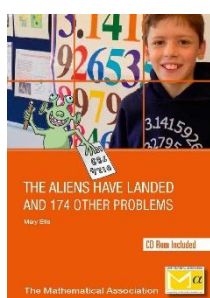Email:

Welcome to the MA monthly newsletter

The Mathematical Association
259 London Road
Leicester LE2 3BE
Email: office@m-a.org.uk

June 2017

Dear Member[LR1]

Our new book is selling like hot cakes!

The Aliens Have Landed and 174 Other Problems
by Mary Ellis

… is a collection of illustrated Maths 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.

£7.59 to Members, £9.99 to Non-Members

Quality CPD for teachers in Scotland
MA Secondary Mathematics Conference at Stirling University

12th Annual One Day
Secondary Education Mathematics
Conference
Saturday 30 September 2017
Pathfoot building, University of Stirling

Opening Plenary
Tom Roper
MA President 2017-18

The MA's stimulating one-day conference for secondary Maths teachers returns to Stirling University on Saturday, 30 September. Come and hear Tom Roper on mathematics subject knowledge, Rachael Horsman on developing geometrical thinking, Stuart Welsh on blended learning, Charlie Gilderdale on NRICH and of course, the irrepressible Adam McBride. Details and booking portal at www.m-a.org.uk/secondary-events.

Institutional Membership renewal notices

Institutional Members please look out for your renewal notices for academic year September 2017 - August 2018. MAHQ have both posted and emailed (to those with a valid email address) renewal notices to you all. **Remember - your fee is discounted by £5 when payment is received by 31 October 2017**. Please could you help to keep our membership records up to date by letting us know of any changes to teacher, address, telephone, or email changes by emailing office@m-a.org.uk.
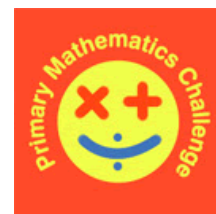
**3-6 April 2018, University of Warwick
Celebrating Mathematics Education**

The BCME Programme Committee is currently seeking contributions to the 9th British Congress of Mathematics Education (BCME 9) to be held at the University of Warwick, 3-6 April 2018. When you complete the submission form at www.bcme.org.uk/Invitation-to-Contribute-, please indicate which participating society you are linked to: scroll down to The Mathematical Association towards the bottom. Completed applications must be received by **31st July 2017**. If you have any queries or wish to discuss a possible contribution, please contact programme@bcme.org.uk .

Primary Mathematics Challenge 2017/18: Time to enter!

Orders open for the 2017/18 Primary Mathematics Challenge. Order your packs today via http://entrants.primarymathschallenge.org.uk/PMC-Registration

Setting up an MA Branch

The Mathematical Association's local activities are organised by its Branches, some of which are joint Branches with the ATM. There are Branches in Birmingham, Cambridge, Leicester, Exeter, Gloucester, Liverpool, London, Reading, Sussex and Leeds. But, there are no Branches in Scotland, Wales or Northern Ireland, nor in the North East of England. If you are interested to set up a new Branch in your area, then contact Keith Cadman who can guide you in how to go about doing this.

Project IMPULS blog

Belle Cottingham is one of our authors and a member of our Primary Subcommittee. She is currently in Japan as part of Project IMPULS which enables international educationalists to understand the Japanese curriculum, lesson planning and problem-solving approach. The first post of her blog is at https://mathswithbelle.wordpress.com/2017/05/26/going-to-japan/.

Research on counting on fingers

The **iNews** online covers Jo Boaler's research on children's counting on fingers. It's at https://inews.co.uk/essentials/news/education/think-counting-fingers-childish-think/.

Master maze designer

The BBC website has the story of Adrian Fisher, the world's leading maze designer, who has created more than 700 mazes across 32 countries. Earlier this year, his Butterfly Maze in Ningbo, China set the world record for the largest permanent hedge maze, with a total path length of over 5 miles. See www.bbc.co.uk/news/business-39998551.

Improved proof of the Kepler Conjecture

Science News Online reveals that Thomas Hales and his team at Pittsburgh University have gone a long way towards bolstering the earlier proof of Kepler's Conjecture on sphere packing. It's at www.sci-news.com/othersciences/mathematics/formal-proof-kepler-conjecture-04960.html

From our store:

***Padlock Challenges — Geometry* by Rachael Horsman**
Innovative and motivating geometry challenges and activities for KS3/4 students which lead them to the combination to the padlock to the treasure box. Members' Price £7.59
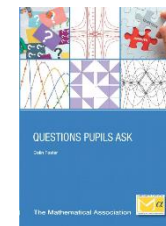http://members.m-a.org.uk/Shop/product/1112

***Questions Pupils Ask*, by Colin Foster**
If two minuses make a plus, why don't two pluses make a minus? What is the formula for factorial? And why isn't π a whole number? In this collection of over 40 articles from MA journals, Colin Foster tackles the tricky Questions Pupils Ask about mathematics, with links to puzzles, tasks and applications to daily life. Members' Price £13.45
http://members.m-a.org.uk/Shop/product/1114

Join us!

If you don't already follow the MA on Twitter, join us here and help stay up to date with our events and news.

Compiled by Chris Pritchard, Tom Roper & Lucy Rycroft-Smith