



United Kingdom  
Mathematics Trust

# Junior Mathematical Challenge 2018

of

is awarded a

## CERTIFICATE OF PARTICIPATION



Institute  
and Faculty  
of Actuaries

  
Professor Chris Budd OBE  
Chairman, UK Mathematics Trust



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The Junior Mathematical Challenge (JMC) is run by the UK Mathematics Trust. The JMC encourages mathematical reasoning, precision of thought, and fluency in using basic mathematical techniques to solve interesting problems. It is aimed at pupils in years 7 and 8 in England and Wales, S1 and S2 in Scotland and years 8 and 9 in Northern Ireland.

The problems on the JMC are designed to make students think. Most are accessible, yet still challenge those with more experience; they are also meant to be memorable and enjoyable.

Mathematics controls more aspects of the modern world than most people realise - from iPods, cash machines, telecommunications and airline booking systems to production processes in engineering, efficient distribution and stock-holding, investment strategies and 'whispering' jet engines. The scientific and industrial revolutions flowed from the realisation that mathematics was both the language of nature, and also a way of analysing - and hence controlling - our environment. In the last fifty years, old and new applications of mathematical ideas have transformed the way we live.

All these developments depend on mathematical thinking - a mode of thought whose essential style is far more permanent than the wave of technological change which it has made possible. The problems on the JMC reflect this style, which pervades all mathematics, by encouraging students to think clearly about challenging problems.

The JMC has grown out of a national challenge first run in 1988. In recent years there have been over 315,000 entries from around 4,100 schools. Certificates are awarded to the highest scoring 40% of candidates (Gold:Silver:Bronze, 1:2:3).

The UK Mathematics Trust is a registered educational charity, founded in 1996, with a small professional core of administrators, but with much of the work done by several hundred volunteers, mostly school teachers, university students and academics.

If you are interested in using your mathematical skills to volunteer with us, complete the form on our website at [www.ukmt.org.uk/about-us/getting-involved/](http://www.ukmt.org.uk/about-us/getting-involved/)

Donations to support our work would be gratefully received. If you wish to donate, please visit [www.ukmt.org.uk/about-us/](http://www.ukmt.org.uk/about-us/)

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