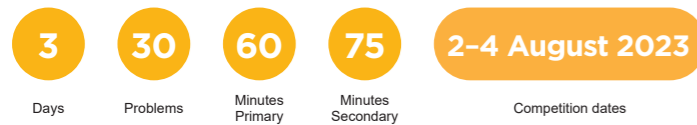


AMC.

AUSTRALIAN MATHEMATICS COMPETITION



The **Australian Mathematics Competition** or **AMC** is one of Australia's largest school-based mathematics competitions. It features unique problems designed by Australia's leading educators and academics, with the goal to demonstrate the importance and relevance of mathematics in students' everyday lives.

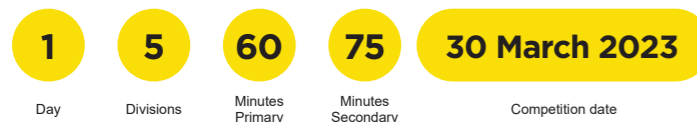
Teachers coordinate the AMC in schools. It is an engaging 30-problem competition, open to students in years 3 to 12.

Held in term 3, the AMC has five divisions: Middle Primary, Upper Primary, Junior, Intermediate and Senior. It is available in both online and paper format.

amt.edu.au/amc

KSF.

KANGOUROU SANS FRONTIÈRES



In 1991, two French teachers inspired by the AMC decided to start a similar competition in France. They called it the 'Kangaroo' to pay tribute to their Australian friends.

Now known as **Kangourou sans Frontières** or 'Kangaroo without Borders', it is one of the largest mathematics competitions in the world, with more than 6 million participants each year.

In Australia, the Kangourou sans Frontières or **KSF** is a maths competition for students in years 3 to 12, and is only available online to schools also participating in the AMC.

Like the AMC, KSF has five divisions: Middle Primary, Upper Primary, Junior, Intermediate and Senior.

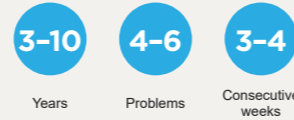
amt.edu.au/ksf

Maths for Young Australians

The Maths for Young Australians program caters to a wide range of abilities: from challenges that introduce problem-solving concepts through to enrichment studies.

MC.

MATHS CHALLENGE

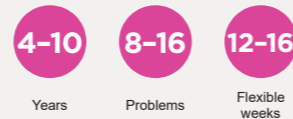


Maths Challenge is a fun problem-solving program for students in years 3 to 10, designed to extend their mathematical skills. Interesting problems are presented in a staged approach that encourages critical thinking. Taken individually or as a small group, it runs over a maximum of four consecutive weeks between **March and June**.

amt.edu.au/challenge

ME.

MATHS ENRICHMENT

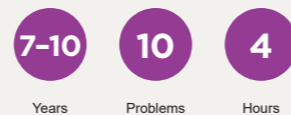


Maths Enrichment is an extension program that offers course work and problems to develop new concepts and skills. It is designed for students in years 4 to 10, featuring seven different stages: Ramanujan, Newton, Dirichlet, Euler, Gauss, Noether and Pólya. Teachers can run Enrichment flexibly over 12 to 16 weeks between **April and October**.

amt.edu.au/enrichment

AIMO.

AUSTRALIAN INTERMEDIATE MATHEMATICS OLYMPIAD

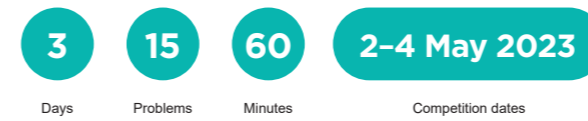


The **Australian Intermediate Mathematics Olympiad** or **AIMO** is a maths competition for talented students. It is aimed at students who've completed the Gauss or Noether Maths Enrichment stage, high achievers in the AMC, and students who have acquired knowledge of Olympiad-level problem solving. It is held on **Thursday 7 September 2023**.

amt.edu.au/aimo

CAT.

COMPUTATIONAL AND ALGORITHMIC THINKING



The **Computational and Algorithmic Thinking** or **CAT** competition incorporates unique three-stage tasks that encourage students to develop informal algorithms and apply them to test data of increasing size or complexity.

CAT aims to identify coding potential and is open to students in years 5 to 12.

Held in term 2, the CAT has four divisions: Upper Primary, Junior, Intermediate and Senior. It is available in both online and paper format.

amt.edu.au/cat

OUCC.

OXFORD UNIVERSITY COMPUTING CHALLENGE



The **Oxford University Computing Challenge** or **OUCC** is a two-round competition held in term 2. The first round is open to all students and the second round is an invitational for the top 20 students in each division from the first round. It is recommended for students who have done well in the CAT competition and would like to progress to the Australian Informatics Olympiad.

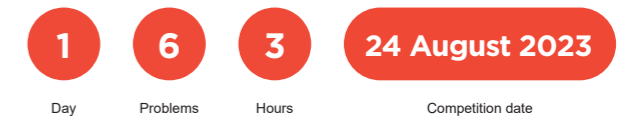
The OUCC builds on the principles used in the CAT competition and helps students develop their skills further to produce programmed solutions to computational thinking problems. Questions are solved using the Blockly programming language, as well the programming languages available to students in their schools (secondary levels).

There are four divisions: Upper Primary, Junior, Intermediate and Senior.

amt.edu.au/oucc

AIO.

AUSTRALIAN INFORMATICS OLYMPIAD



The **Australian Informatics Olympiad** or **AIO** is an open computer programming competition held in term 3. Students write short computer programs to solve problems that vary in difficulty. The competition does not test computer literacy or knowledge, but focuses on problem solving through programming skills.

There are two papers: Intermediate for students up to year 10, and Senior for students up to year 12. Each paper has six problems, and students submit the source code for their solutions online during the three-hour contest.

The AIO is suitable for an IT class that knows some computer programming, or enthusiastic students who have taught themselves.

amt.edu.au/aio

Problemo

POWERED BY AUSTRALIAN MATHS TRUST

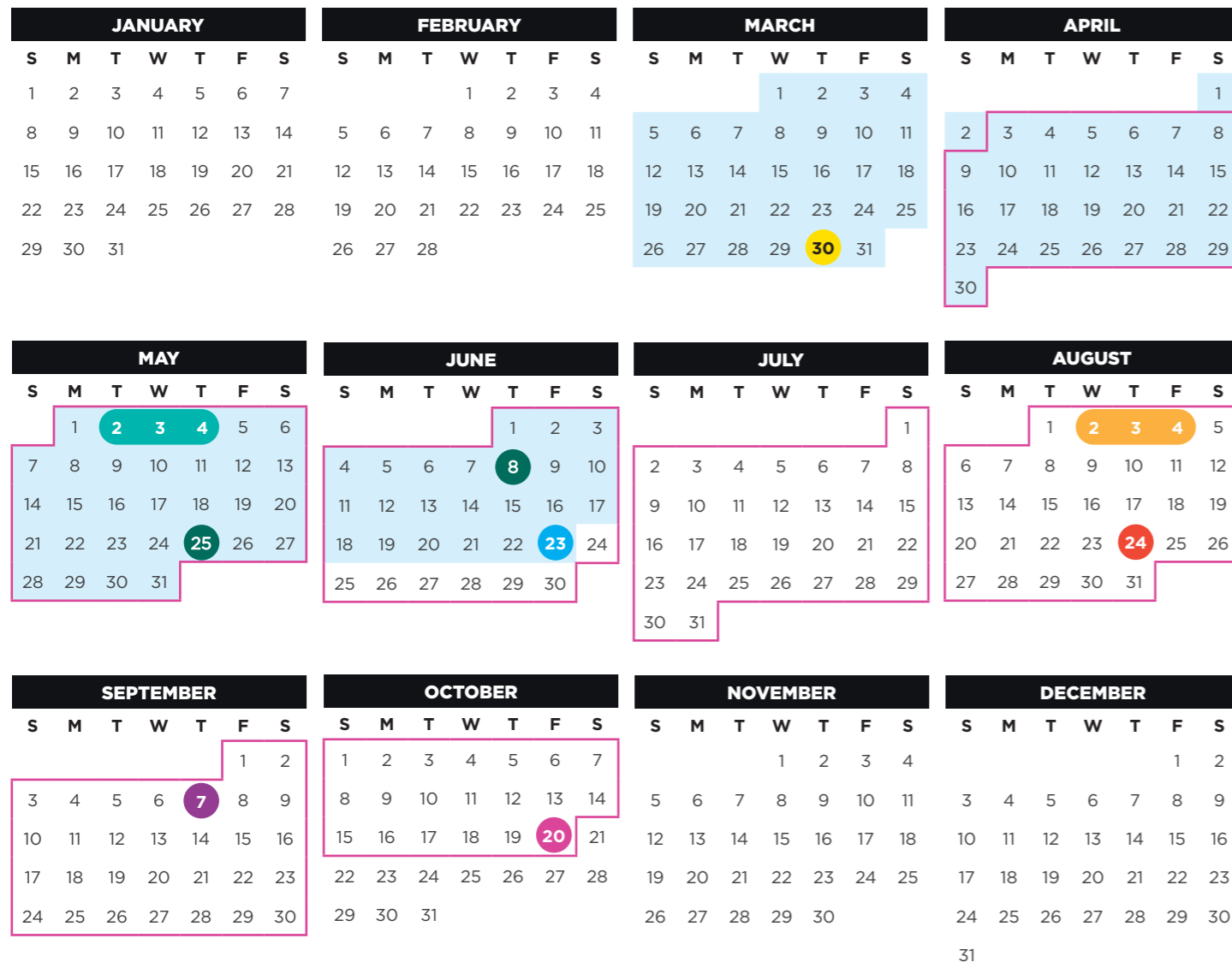
- + Problemo is the **go-to** maths **problem-solving resource** for teachers.
- + Lesson preparation made easier with quick search and filter across hundreds of quality maths problems.
- + Monthly and annual teacher subscriptions available in 2023!

Find out more at problemo.edu.au

2023 KEY DATES

AMT is best known for its extensive range of maths, STEM, computational and algorithmic competitions and programs – from one-day events, like the Australian Mathematics Competition, through to teacher-led programs that run over a series of weeks or months.

Add AMT's programs and competitions to your 2023 school calendar now



- Kangourou sans Frontières | Thursday 30 March
- Computational and Algorithmic Thinking | Tuesday 2 to Thursday 4 May
- Oxford University Computing Challenge | Round 1: Thursday 25 May
Round 2: Thursday 8 June
- Australian Mathematics Competition | Wednesday 2 to Friday 4 August
- Australian Informatics Olympiad | Thursday 24 August
- Australian Intermediate Mathematics Olympiad | Thursday 7 September
- Maths Challenge | March to June
Results due 23 June
- Maths Enrichment | April to October
Results due 20 October

2023 KEY INFORMATION

Ignite your students' imagination and enrich their knowledge in mathematics and algorithmics. In 2023 we will be offering the following open events for schools to run.

Event	Event date	Cost per student A\$	Open to students in	Entry closing date
Kangourou sans Frontières (KSF)	Thursday 30 March	Available only when bundled with the AMC.		
KSF and AMC Bundle	-	10.00	years 3–12	29 March
KSF, CAT and AMC Bundle	-	14.50	years 5–12	29 March
Oxford University Computing Challenge (OUCC)	R 1: Thursday 25 May R 2: Thursday 8 June	8.00	years 5–12	24 May
OUCC and CAT Bundle	-	12.50	years 5–12	Paper WA,SA,NT,TAS,QLD: 7 April Paper ACT, VIC, NSW: 14 April Online: 1 May
CAT and AMC Bundle	-	12.50	years 5–12	Paper WA,SA,NT,TAS,QLD: 7 April Paper ACT, VIC, NSW: 14 April Online: 1 May
Computational and Algorithmic Thinking (CAT)	Tuesday 2 to Thursday 4 May	8.00	years 5–12	Paper WA,SA,NT,TAS,QLD: 7 April Paper ACT, VIC, NSW: 14 April Online: 1 May
Australian Mathematics Competition (AMC)	Wednesday 2 to Friday 4 August	8.00	years 3–12	Paper WA,SA,NT,TAS,QLD: 14 July Paper ACT, VIC, NSW: 21 July Online: 1 August
Australian Informatics Olympiad (AIO)	Thursday 24 August	21.00	years 7–12	23 August
Australian Intermediate Mathematics Olympiad (AIMO)	Thursday 7 September	21.00	years 7–10	31 August
Program	Program dates	Cost per student A\$	Open to students	School results submitted by
Maths Challenge	3 to 4 weeks	20.00	years 3–6	23 June
	March – June	27.50	years 7–10	
Maths Enrichment	12 to 16 weeks	50.00	years 4–10	20 October

Note: Late entries may be processed but materials cannot be guaranteed to arrive by the event date.

Prices are in Australian dollars (includes Australian GST). All details applicable to Australian and New Zealand schools, home schools and coaching clinics. For information regarding pricing and availability in other countries, please visit our [registration page](#).

To register, go to competitions.amt.edu.au/admin and log in using your username and password or create an account. Once logged in, you can register for multiple events at once, or separately at any time while registration is open.

Orders can be paid immediately by credit card or later via invoice. Invoices for all orders will be emailed to the email address supplied, so please ensure this email is correct.