



School of Mathematics
and Statistics

2024 RESEARCH COMPETITION

BE A MATHEMATICIAN

Work in a team, or on your own, to research into a given project.
Unleash your creativity and your problem solving skills!



2024 RESEARCH COMPETITION

The University of Melbourne Mathematics and Statistics Research Competition provides school-aged students with the opportunity to understand what it means to conduct mathematics and solve mathematical problems

Students will be given a set of open-ended research questions from which they choose one. They can then employ methods used by mathematical researchers to investigate their problem; they can gather data, simplify, visualise, hypothesise, conjecture and prove. The aim of the competition is to allow students to use their creativity and problem solving skills to make choices about how best to ask and answer questions about their chosen project. As teamwork is a valuable and essential skill for research, students are encouraged to participate in the competition as part of a team which will provide opportunities to reason and work collaboratively with others. Students may participate individually if they wish.

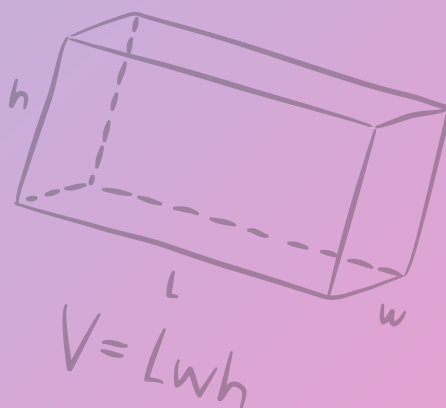
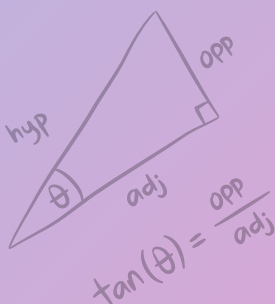
OPEN TO ALL STUDENTS IN AUSTRALIA (YEARS 5-12) AND NEW ZEALAND (YEARS 6-13)

For more information:



🔗 go.unimelb.edu.au/m8gi
✉ ms-outreach@unimelb.edu.au

$$5+5=10$$

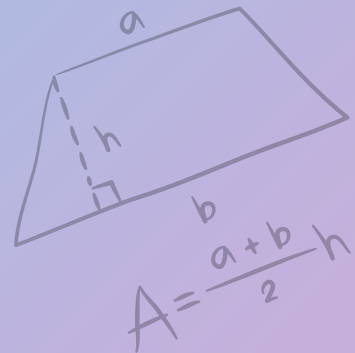


TEAMS

- Can be made up of 1, 2 or 3 students
- Choose one of the projects to work on
- Investigate, collaborate, hypothesise and prove
- Present findings in a report or visual display
- Submit completed research by 31 July 2023
- Junior - AU: Year 5-6, NZ: Year 6-7
- Intermediate - AU: Year 7-9, NZ: Year 8-10
- Senior - AU: Year 10-12, NZ: Year 11-13



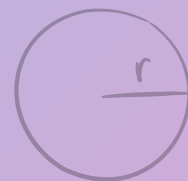
WIN UP TO \$1500



PRIZES (PER TEAM MEMBER)

- Top Team (reports only): **\$500 AUD**
- Finalist (reports only): **\$200 AUD**
- Top Visual Display: **\$250 AUD**
- Shortlist Visual Display: **\$100 AUD**

Additional prizes in other categories may be awarded, see website for details.

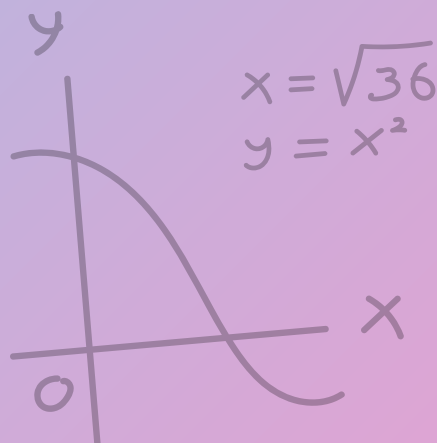


$$C = 2\pi r$$

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