

## Canadian Mathematical Society

- The Canadian Mathematical Society (CMS) was established in 1945 to promote and advance discovery, learning and application of mathematics.
- The CMS provides an infrastructure that enables and promotes mathematical sciences research and education in Canada.
- With CMS mentorship and training, Canadian students have enjoyed great success at the International Mathematical Olympiad (IMO), the world championship mathematics competition for high school students. Canadian students have won a total of 108 medals (16 gold, 34 silver, and 58 bronze) since Canada began participating in 1981.
- The CMS serves the social, cultural and intellectual needs of society by raising overall levels of mathematical understanding, as well as by developing specialists and by fostering the development of mathematical research and creativity.
- The CMS strengthens Canada's ability to compete globally by providing a strong, effective and collective voice for mathematics and related disciplines with industry and with governments.
- The CMS publishes two prestigious research journals, a problem-solving journal, a newsletter and several book series.
- The CMS collaborates with numerous Canadian organizations: the Natural Sciences and Engineering Research Council of Canada (NSERC), the National Research Council (NRC), the Fields Institute, the Centre de recherche mathématiques (CRM), the Pacific Institute for the Mathematical Sciences (PIMS), the Banff International Research Station (BIRS), the Mathematics of Information Technology and Complex Systems (MITACS), the Canadian Applied and Industrial Mathematics Society (CAIMS), the Atlantic Association for Research in Mathematics (AARMS) and the Statistical Society of Canada (SSC).

## CONTACT US

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### CANADIAN MATHEMATICAL SOCIETY SOCIÉTÉ MATHÉMATIQUE DU CANADA

*Dedicated to promoting  
and advancing discovery,  
learning and application  
of mathematics through  
student education  
and mentorship,  
mathematical research  
and scholarship*

## MATHEMATICS OPPORTUNITIES FOR SUCCESS

**Mathematics** empowers people to solve problems that arise in **every** human endeavour. Mathematics is the enabling discipline for business and commerce, underlies advances in modern biology and medicine and forms the basis for advances in the computer, physical, chemical, meteorological and geological sciences as well as in all types of engineering.

**Mathematics** is useful, challenging and fun (e.g., Sudoku). The more people know about methods of mathematical reasoning, the better position they are in to benefit from making informed choices in all aspects of their lives.

**Mathematics** is dynamic. Daily, new mathematical ideas produce durable solutions to real life problems. Google's success as a search engine depends upon mathematical research that produced advances in fast search and retrieval. Security and privacy in e-commerce transactions depend upon crucial results from mathematics research.

### *Careers Requiring Mathematical Knowledge and Training*

Accountant	Video game designer
Administrator	Nurse
Economist	Public health inspector
Urban planner	Computer programmer
Interior designer	X-ray technician
Graphic artist	Derivatives analyst
Statistician	Survey technician
Surveyor	Animal care technician
Veterinarian	Air traffic controller
Forester	Engineer
Architect	Tool and die maker
Optometrist	Sports administrator
Medical Technologist	Pilot
Financial risk analyst	Market researcher
Pharmacist	Automotive designer
Dentist	Doctor
Cartographer	Elementary teacher
Geographer	Insurance underwriter
Sociologist	Computer Engineer
Psychologist	Office manager
Meteorologist	Lawyer
Actuary	Geologist

## ROAD TO OPPORTUNITY

Canada's role in the evolving global economy requires a more mathematically sophisticated workforce.

The **Canadian Mathematical Society (CMS)** contributes to meeting this goal by focusing on three core activities:

### 1) Education Activities

- **CMS Math Camps:** Students in Grades 9 to 11 are introduced to new mathematical ideas and concepts in an environment balanced by recreational activities. More than 3,000 students have participated in the program since its inception in 1999.
- **Math Competitions:** The CMS organizes national math competitions. In 2006, the Canadian Open Mathematics Challenge (COMC) attracted more than 7,300 students from 465 schools. The Canadian Mathematical Olympiad (CMO) is Canada's mathematics competition for high school students.
- **Math Forums:** The CMS organizes and supports forums every three years that bring together mathematics educators from across Canada and the educational spectrum from kindergarten to Ph.D.
- **Math in Moscow Program:** In collaboration with the Natural Sciences and Engineering Research Council of Canada (NSERC), three Canadian undergraduates a year attend a semester at the Independent University of Moscow.
- **Endowment Grants:** These funds support projects that contribute to the broader good of the Canadian mathematical community.

### 2) Research and Collaboration

The CMS plays a leadership role by supporting mathematical research and by providing networking opportunities at semi-annual meetings. Lectures are presented on a wide range of mathematical, scientific and popular topics.

### 3) Recognizing Achievements

Each year, the CMS recognizes outstanding efforts by awarding five research and four professional recognition prizes.

## PARTNER WITH THE CANADIAN MATHEMATICAL SOCIETY

The **Canadian Mathematical Society** is funded through the sale of publications, membership fees, registration fees, individual and corporate gifts, sponsorships, grants from governments and academic institutions and by endowed funds.

The CMS wants to be able to expand activities that benefit students, enhance research and build collaborations.

It is essential that Canada encourage its youth to continue their studies in mathematics, the foundation for careers in science, engineering, technology and business. Therefore, we are particularly interested in partnering with the corporate community, with governments and with charitable foundations to support mathematical education.

### How you can help:

- Corporate Sponsorships/Donations
- Charitable Foundation Grants
- Endowed Gifts
- Planned Giving
- Individual Donations – Annual Giving

Please visit our website at

[www.cms.math.ca/Docs/donating.html](http://www.cms.math.ca/Docs/donating.html)

For further information or contact us at

1-613-562-5702

The CMS is registered at **CanadaHelps.org**

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