



Canadian Mathematical Olympiad (CMO) Qualifying Repêchage Competition

Feb 12 - Feb 19, 2020

PLEASE READ

CMO Qualifying Repêchage Information

The CMO Qualifying Repêchage (known simply as the Repêchage) is an opportunity for you to demonstrate that you have the talent to compete in the Canadian Mathematical Olympiad (CMO) and, potentially, to represent Canada at the International Mathematical Olympiad (IMO). Typically, the best 15-20 competitors in the Repêchage will be invited to compete in this year's CMO.

Once the competition has closed, the problem set will be posted for the public on the Repêchage web page (<https://cms.math.ca/Competitions/REP/>). Due to the nature of the competition as a qualifier for the CMO, no final "scores" are assigned nor are students comprehensively ranked; you will either receive a pass or fail. All participants will be notified via email once the competition results have been determined.

Please read the Repêchage Competition Rules below carefully. Good luck!

Repêchage Competition Rules

- Complete and sign the attached Student Declaration form. **Your declaration form must be submitted with your competition submission package.**
- You must solve each problem on your own – without outside help.
- You may contact repechage@cms.math.ca to seek clarification of a problem statement.
- Answer as many problems as you can, presenting a full solution, to each problem that you answer.
- Please write up your solutions using a word processor, text editor, latex, or something else that you can turn into a PDF or Word document. If this is impossible for you, neatly handwritten submissions are also acceptable.
- Each solution must be clearly labeled with the problem number and should include all steps necessary to solve the problem.
- Each solution must begin on a separate page, as part of **one single document or electronic file**.
- You must include *your full name, your school name, and your email address on each page* (e.g. in a header or footer).
- Submit your competition submission on or before **Wednesday, February 19, 2019 at noon (12:00 PM) EST**.

For questions or concerns which are not related to problem clarifications, please contact contests@cms.math.ca or call **(613) 733-2662 ext. 785**.

Students must not discuss or post online exam questions, comments or responses until the competition has ended and the problem set has been posted on the Repêchage web page.



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Repêchage Competition Submissions

By email (preferred)

Your solutions and scanned and signed Student Declaration form must be sent to us in either PDF or Word format. All the solutions should be in one file (not one file per question or page). Please attach your document to an email addressed to repechage@cms.math.ca using the email subject line "**2020 Repêchage Submission - your name**"

By courier

Solutions submitted by courier must be picked up and have a *courier's postmark of no later than Wednesday, February 19, 2020*.

It is your responsibility to make arrangements ensuring that your courier package is **delivered to the CMS no later than Friday, February 21, 2020**.

Please do not use regular mail to submit your solutions.

Please include your solutions and signed Student Declaration form in one envelope and send by courier (FedEx, UPS, Express Post etc.) to:

2020 Repêchage Competition
c/o Gosia Skrobutan
Canadian Mathematical Society
209 - 1725 St. Laurent Blvd.
Ottawa, ON K1G 3V4
Canada



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READ, COMPLETE & ATTACH TO SUBMISSION

Repêchage Eligibility Requirements

You have been invited to participate in the 2020 CMO Qualifying Repêchage competition. Based on how well you perform in this competition, you may receive an invite to the 2020 CMO.

You must meet the following eligibility requirements to participate in the 2020 CMO:

- You must be a Canadian citizen or permanent resident (regardless of your current address);
- You must have been in full-time attendance at an elementary school, secondary school, or CEGEP since September 2019;
- You must be less than 20 years old as of June 30, 2020; and
- You must not have written the Putnam Competition.

Student Declarations

I have reviewed the eligibility requirements above and by signing below, I make the following declarations:

- I declare that I am eligible to participate in the 2020 Canadian Mathematical Olympiad.
- I declare that all of the solutions that I am submitting are entirely my own work. I did not consult any other person or persons, nor did I consult any outside source.
- I declare that my name and the name of my school may be used by the CMS in the announcement of competition results.

Student Name - Printed

School Name - Printed

Student Email Address - Printed

Student Phone Number (Optional)

Student Signature

Date Signed