UK Maths Trust

United Kingdom Mathematics Trust (UKMT)

- The most popular mathematical challenges in UK
- Over 700,000 participants all over the world every year
- Three levels eligible for different age groups
- Strengthen the competitive edge of application for top universities
- Encourage mathematical reasoning, precision of thought, and fluency in using basic mathematical techniques
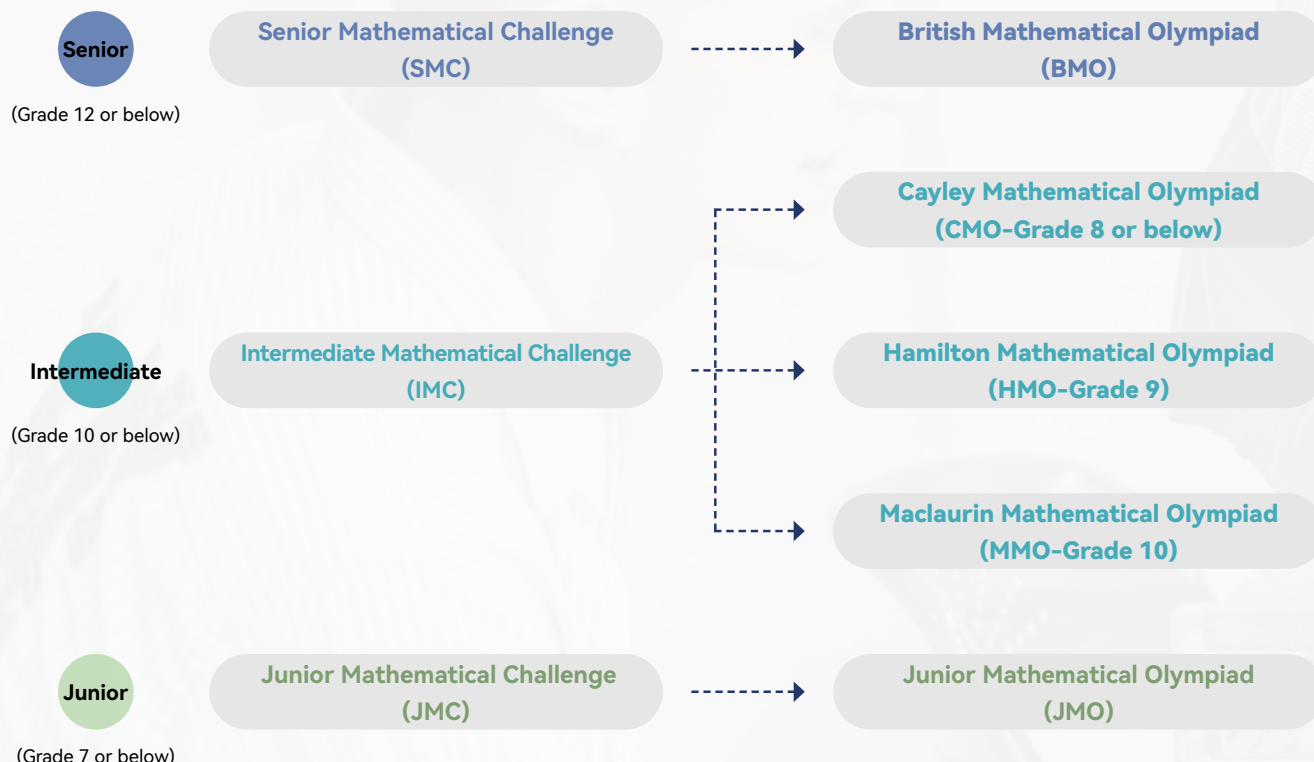
Registration Link:

https://exam.phiportal.org/pro/UKMT2025-26

■ About UKMT

Founded in 1996, UKMT operates as a registered charity, dedicated to advancing young people's education in mathematics. The UKMT offer their main Junior, Intermediate and Senior Maths challenges and are seen as the UK's most popular school maths competitions. Through a diverse range of national-level competitions and activities, UKMT engages students aged 11 to 18 in the UK. Every year over 700,000 students across the world take part in The UKMT challenges.

The aim of these challenges is to encourage mathematical reasoning, precision of thought, and fluency in using basic mathematical techniques to solve interesting problems. The problems are designed to make students think. These challenges are highly regarded by top universities like Cambridge and Oxford, and bulk up the application for those top universities.

PLANNING/PROMOTION SYSTEM

Senior
(Grade 12 or below)

| Senior Mathematical Challenge (SMC) | ---> | British Mathematical Olympiad (BMO) |

Cayley Mathematical Olympiad (CMO-Grade 8 or below)

Intermediate
(Grade 10 or below)

| Intermediate Mathematical Challenge (IMC) | ---> | Hamilton Mathematical Olympiad (HMO-Grade 9) |

Maclaurin Mathematical Olympiad (MMO-Grade 10)

Junior
(Grade 7 or below)

| Junior Mathematical Challenge (JMC) | ---> | Junior Mathematical Olympiad (JMO) |

UKMT

Junior Mathematical Challenge (JMC)

Date: April 30, 2026
Eligibility: Grade 7/Year 8 or below

Junior Mathematical Olympiad (JMO)

Date: Jun. 10, 2026
Eligibility: Grade 7/ Year 8 or below

Intermediate Mathematical Challenge (IMC)

Date: Jan. 29, 2026
Eligibility: Grade 10 / Year 11 or below

Cayley Mathematical Olympiad (CMO)

Date: Mar. 20, 2026
Eligibility: Grade 8/ Year 9 or below

Hamilton Mathematical Olympiad (HMO)

Date: Mar. 20, 2026
Eligibility: Grade 9 / Year 10

Maclaurin Mathematical Olympiad (MMO)

Date: Mar. 20, 2026
Eligibility: Grade 10 / Year 11

Senior Mathematical Challenge (SMC)

Date: Oct. 10, 2025
Eligibility: Grade 12/Year 13 or below

British Mathematical Olympiad (BMO Round 1)
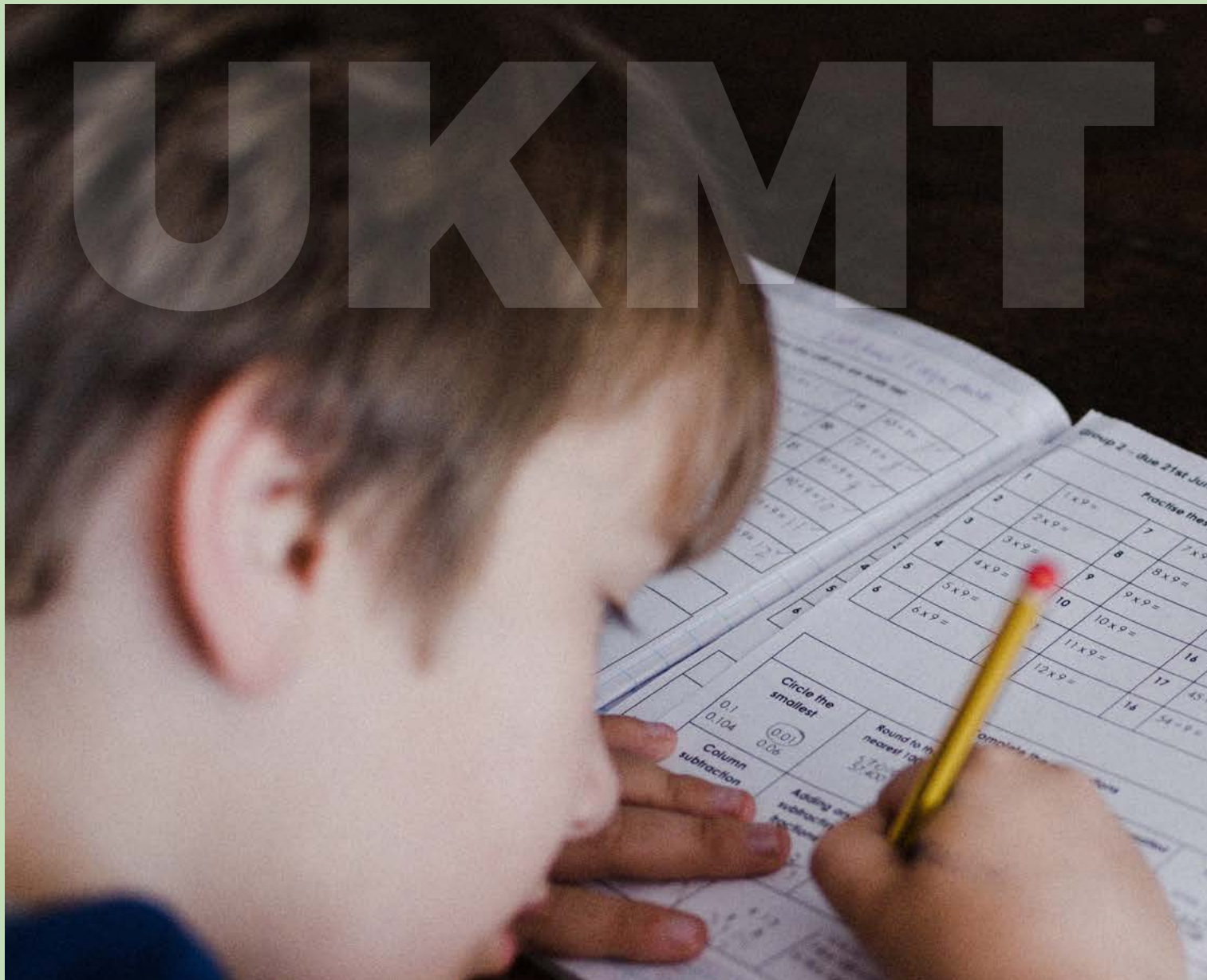
Date: Nov. 20, 2025
Eligibility: Grade10-12 / Year 11-13

British Mathematical Olympiad (BMO Round 2)

Date: Jan. 22, 2026
Eligibility: Round 1 qualified students

UKMT

Junior Mathematical Challenge (UKMT-JMC) & Junior Mathematical Olympiad (JMO)

The most popular mathematical challenges in UK.

JMC　　　　**JMO**

★ The most popular mathematical challenges in UK
★ Over 700,000 participants all over the world every year
★ Encourage mathematical reasoning, precision of thought, and fluency in using basic mathematical techniques

Language: English
Date: JMC – April 30, 2026
　　　JMO – June. 10, 2026
Form: Online
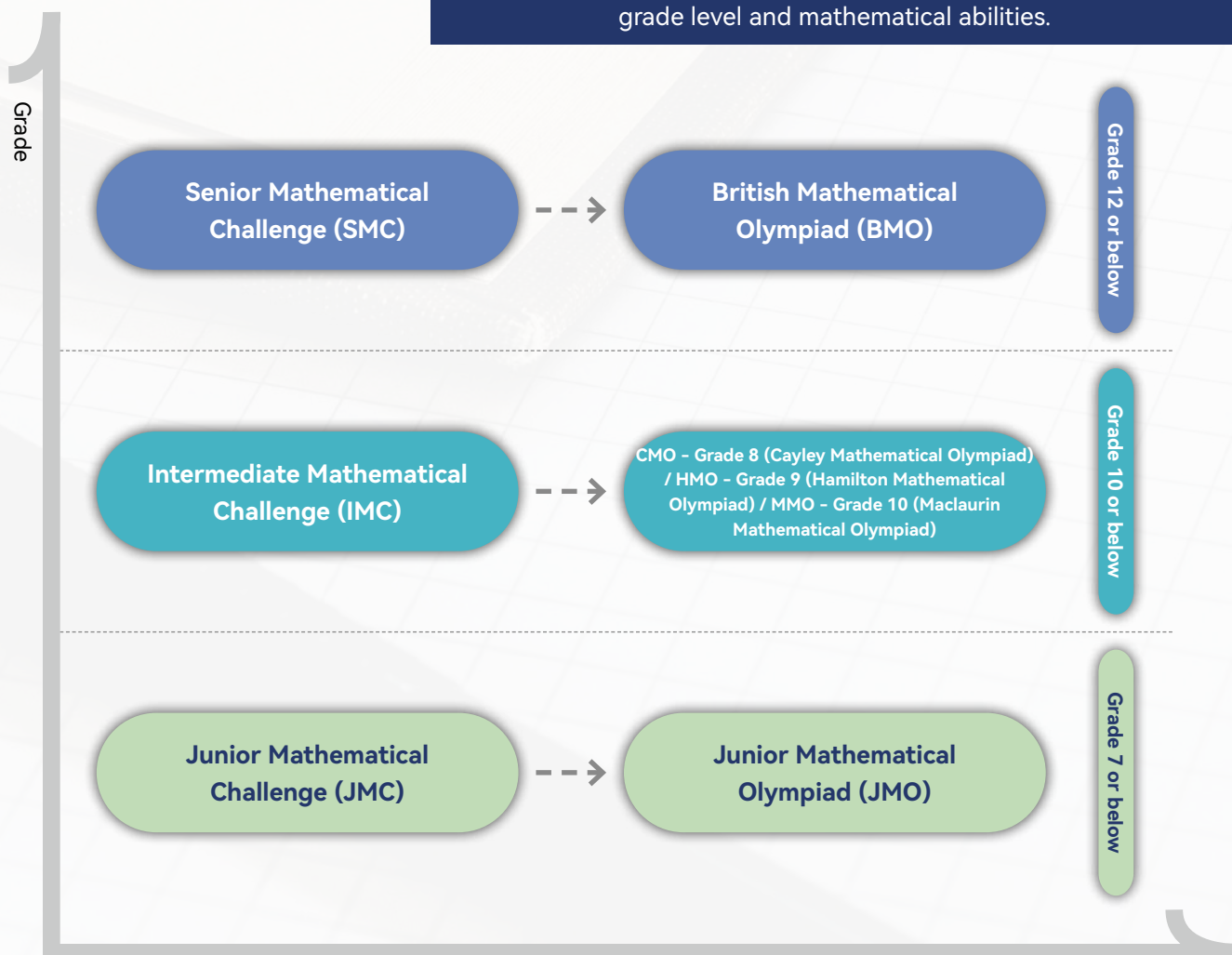Deadline: 2 weeks before the competition

UK Maths Trust

UK Maths Trust

About JMC and JMO

The Junior Mathematical Challenge (JMC) is based on the knowledge from school. The problems promote critical thinking skills, often making students apply their knowledge in unfamiliar ways in order to solve a problem. Most questions are accessible to all students, while still remaining a challenge for more experienced students.

The Junior Mathematical Olympiad (JMO) is an advanced challenge to the Junior Mathematical Challenge, but with no promotion relationship. The JMO consists of a two-hour paper of more in-depth mathematical problems.

UKMT Challenges

Note: There is no promotion relationship between the following challenges. Students can register and participate based on their grade level and mathematical abilities.

Grade

Senior Mathematical Challenge (SMC) ---> British Mathematical Olympiad (BMO)   Grade 12 or below

Intermediate Mathematical Challenge (IMC) ---> CMO – Grade 8 (Cayley Mathematical Olympiad) / HMO – Grade 9 (Hamilton Mathematical Olympiad) / MMO – Grade 10 (Maclaurin Mathematical Olympiad)   Grade 10 or below

Junior Mathematical Challenge (JMC) ---> Junior Mathematical Olympiad (JMO)   Grade 7 or below

Mathematical ability

■ Junior Mathematical Challenge (JMC)

Language: English

Date: April 30, 2026 (Thu.) 60 mins

Form: Online

Student Eligibility: Grade 7/Year 8 or below

Format: Individual test, 25 multiple-choice questions

Scoring Rules: 5 points are awarded for each correct answer to questions 1-15, 6 points are awarded for each correct answer to questions 16–25, wrong answers or answers left blank will be marked as 0.

Awards

Global Awards (2025 award thresholds)

- Gold: 91+
- Silver: 73+
- Bronze: 54+
- Best in School: The top 1 participant in the school
- Best in Year: The top 1 participant in each grade in the school

Top 50% of UK participants will be awarded Gold, Silver and Bronze in the ratio 1:2:3. International participants will be awarded based on the UK thresholds. Students not amongst the high scorers will receive a Certificate of Participation in E-version.

■ Junior Mathematical Olympiad (JMO)

Language: English

Date: Jun. 10, 2026(Wed.) 120 mins

Form: Online

Student Eligibility: Grade 7/ Year 8 or below

Format: Individual test, 6 questions
Starting in 2025, the JMO consists of 6 questions, 10 marks each. Section A has been removed.

Scoring Rules: Each question is worth up to 10 points. 60 points in total. Answers can be awarded partial marks depending on the clarity of the participants Mathematical presentation. Answers left blank will be marked as 0.

Awards

Global Awards (2024 award thresholds)

- Distinction: 38+
- Merit: 20+
- Gold: 50+
- Silver: 43+
- Bronze: 38+

The top 25%/65% of UK students will receive the Distinction/Merit Award. The top 40/60/100 students will receive the Gold/Silver/Bronze Medal. International participants will be awarded based on the UK thresholds. Students not amongst the high scorers will receive a Certificate of Participation in E-version.

■ Registration Details

Fee:

- JMC: THB 950 per student
- JMO: THB 2975 per student

(Includes the exam administration, grading, past-papers, certificate. Medal shipping fee is not included)

Deadline: 2 weeks before the competition

Please make sure to register through official channels such as the ASEEDER website, your school, or officially authorized overseas institutions. Do not trust individuals or unofficial registration institutions. If you have any questions, please contact us directly.

UKMT

Intermediate Mathematical Challenge (IMC) & CMO & HMO & MMO

The most popular mathematical challenges in UK.

IMC	CMO Grade 8 / Year 9 or below	HMO Grade 9 / Year 10	MMO Grade 10 / Year 11

★ The most popular mathematical challenges in UK

★ Over 700,000 participants all over the world every year

★ Encourage mathematical reasoning, precision of thought, and fluency in using basic mathematical techniques

Language: English

Date: IMC – Jan. 29, 2026

　　　 CMO/HMO/MMO – Mar. 20, 2026

Form: Online
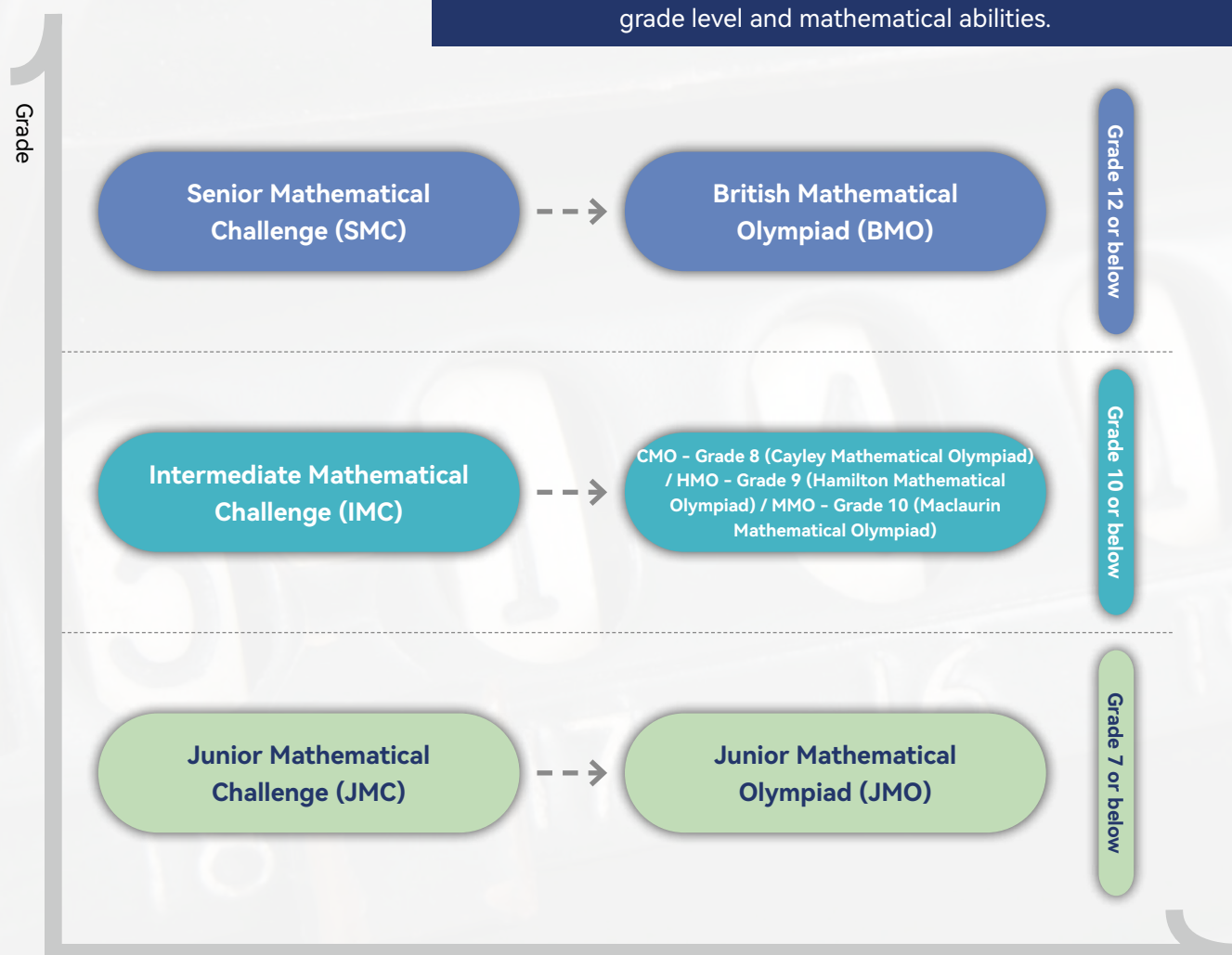
Deadline: 2 weeks before the competition

UK Maths Trust

About IMC, CMO, HMO and MMO

The Intermediate Mathematical Challenge (IMC) is eligible for students in grade 10 or below. It encourages mathematical reasoning, precision of thought and fluency to make students think. The problems on the IMC are designed to make students think, most are accessible yet still challenge those with more experience.

Additionally, IMC has several follow-on Rounds that are Cayley (CMO), Hamilton (HMO)and Maclaurin Maths Olympiads (MMO). These follow-on Rounds are 2 hour Challenges consisting of six Olympiad style problems requiring full written solutions. The questions featured in the CMO/HMO/MMO cover a range of mathematical topics and require students to apply their understanding of different areas of mathematics.

UKMT Challenges

Note: There is no promotion relationship between the following challenges. Students can register and participate based on their grade level and mathematical abilities.

Grade

| Senior Mathematical Challenge (SMC) | - - → | British Mathematical Olympiad (BMO) | Grade 12 or below |

| Intermediate Mathematical Challenge (IMC) | - - → | CMO – Grade 8 (Cayley Mathematical Olympiad) / HMO – Grade 9 (Hamilton Mathematical Olympiad) / MMO – Grade 10 (Maclaurin Mathematical Olympiad) | Grade 10 or below |

| Junior Mathematical Challenge (JMC) | - - → | Junior Mathematical Olympiad (JMO) | Grade 7 or below |

Mathematical ability

■ Intermediate Mathematical Challenge (IMC)

Language: English

Date: Jan. 29, 2026 (Thu.) 60 mins

Form: Online

Student Eligibility: Grade 7/Year 8 or below

Format: Individual test, 25 multiple choice questions

Scoring Rules: Question 1-15, 5 points are awarded for each correct answer; Question 16-25, 6 points are awarded for each correct answer. Questions 16-20, each wrong answer loses 1 mark; Question 21-25 , each wrong answer loses 2 points. Answers left blank will be marked as 0

Awards

Global Awards (2025 award thresholds)

- Gold: 89+
- Silver: 69+
- Bronze: 54+
- Best in School: The top 1 participant in the school
- Best in Year: The top 1 participant in each grade in the school

Top-Scoring Rules 50% of participants will be awarded Gold, Silver and Bronze in the ratio 1:2:3. International participants will be awarded based on the UK thresholds. Students not amongst the high scorers will receive a Certificate of Participation in E-version.

■ Cayley Mathematical Olympiad (CMO)

Language: English

Date: Mar. 20, 2026 (Fri.) 120 mins

Form: Online

Student Eligibility: Grade 8/ Year 9 or below

Format: Individual test, 6 questions

Scoring Rules: Each question is worth 10 points. Answers can be awarded partial marks depending on the clarity of the participants Mathematical presentation. Answers left blank will be marked as 0.

Awards

Global Awards

Certificate (2025 award thresholds)

- Distinction: 30+
- Merit: 17+
- Best in School: The top 1 participant in the school
- Best in Year: The top 1 participant in each grade in the school

Medal (2025 award thresholds)

- Gold: 45+
- Silver: 39+
- Bronze: 34+

■ Hamilton Mathematical Olympiad (HMO)

Language: English

Date: Mar. 20, 2026 (Fri.) 120 mins

Form: Online

Student Eligibility: Grade 9 / Year 10

Format: Individual test, 6 questions

Scoring Rules: Each question is worth 10 points. Answers can be awarded partial marks depending on the clarity of the participants Mathematical presentation. Answers left blank will be marked as 0.

Awards

Global Awards

Certificate (2025 award thresholds)

- Distinction: 23+
- Merit: 10+
- Best in School: The top 1 participant in the school
- Best in Year: The top 1 participant in each grade in the school

Medal (2025 award thresholds)

- Gold: 41+
- Silver: 34+
- Bronze: 30+

■ Maclaurin Mathematical Olympiad (MMO)

Language: English

Date: Mar. 20, 2026 (Fri.) 120 mins

Form: Online

Student Eligibility: Grade 10/Year 11

Format: Individual test, 6 questions

Scoring Rules: Each question is worth 10 points. Answers can be awarded partial marks depending on the clarity of the participants Mathematical presentation. Answers left blank will be marked as 0.

Awards

Global Awards

Certificate (2025 award thresholds)

- Distinction: 27+
- Merit: 16+
- Best in School: The top 1 participant in the school
- Best in Year: The top 1 participant in each grade in the school

Medal (2025 award thresholds)

- Gold: 45+
- Silver: 37+
- Bronze: 31+

■ Registration Details

Fee:

- IMC: THB 950 per student
- CMO: THB 2975 per student
- HMO: THB 2975 per student
- MMO: THB 2975 per student

(Includes the exam administration, grading, past-papers, certificate. Medal shipping fee is not included)

Deadline: 2 weeks before the competition

Please make sure to register through official channels such as the ASEEDER website, your school, or officially authorized overseas institutions. Do not trust individuals or unofficial registration institutions. If you have any questions, please contact us directly.

UKMT

Senior Mathematical Challenge (UKMT-SMC) & British Mathematical Olympiad (BMO)

The most popular mathematical challenges in UK.

SMC	BMO Round 1	BMO Round 2

★ The most popular mathematical challenges in UK

★ Over 700,000 participants all over the world every year

★ Three levels eligible for different age groups

★ Strengthen the competitive edge of application for top universities

★ Encourage mathematical reasoning, precision of thought, and fluency in using basic mathematical techniques

Language: English

Date: SMC – Oct 10, 2025

　　　BMO Round 1 – Nov. 20, 2025

　　　BMO Round 2 – Jan. 22, 2026

Form: Online

Deadline: 2 weeks before the competition
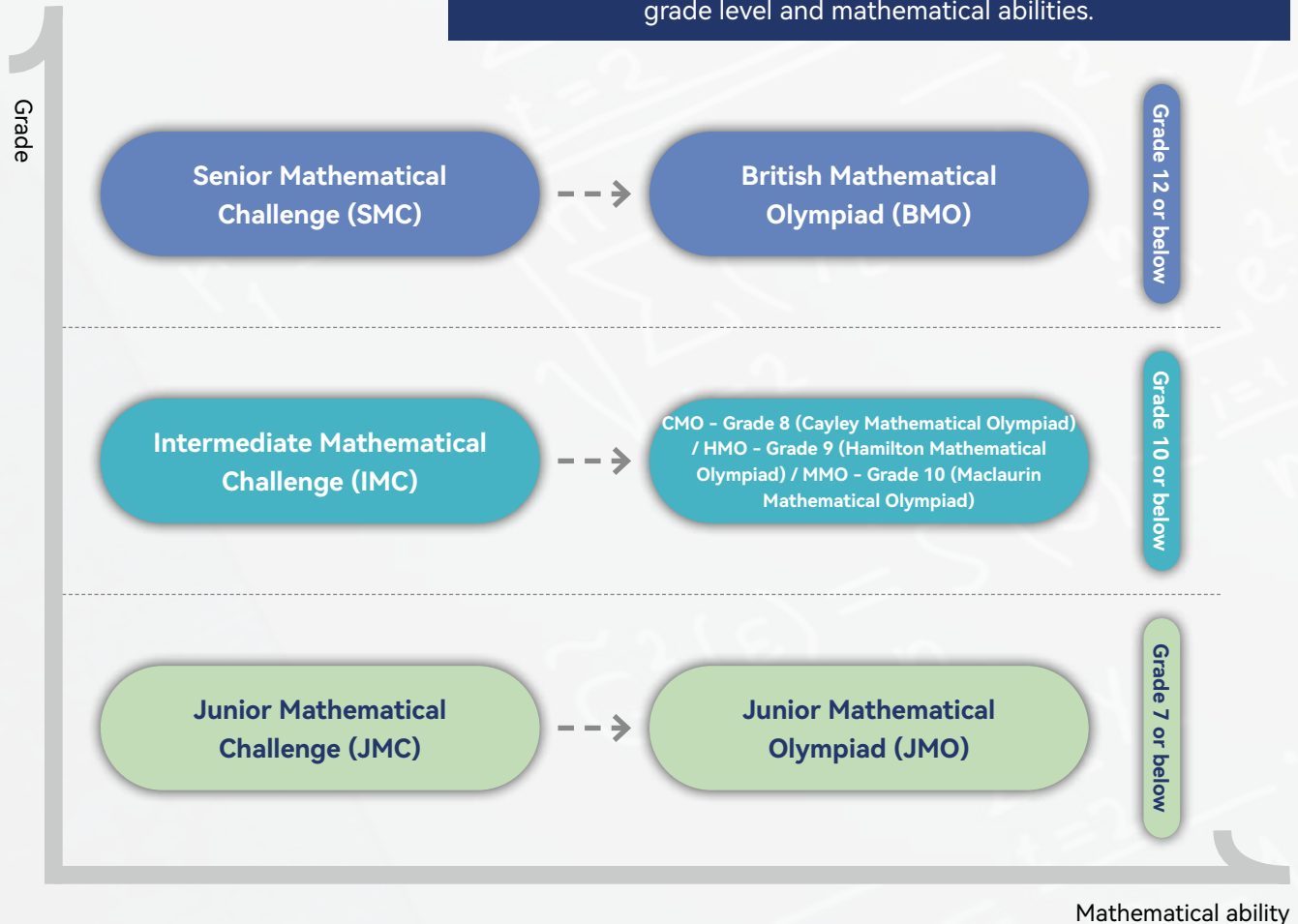
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About SMC and BMO

The Senior Mathematical Challenge (SMC) is suitable for grade 12 or below students. It focuses on cultivating students' logical thinking and the problem-solving ability that apply mathematics precisely and fluently. The problems are highly challenging and flexible, typically cover key math topics in high school such as geometry, number theory, permutations, combinations and little algebra and applied problems, along with some stimulating problems that do not involve advanced mathematical knowledge for both beginners and experienced problem-solvers.

British Mathematical Challenge (BMO) is a follow-on round to the Senior Maths Challenge. It has two rounds: Round 1 and Round 2. Only the top 10% participants in BMO Round 1 can take part in Round 2. Differ from the multiple-choice questions of the SMC, BMO questions required students to write full proofs in order to assess students' overall mathematical ability. In the UK, only students with excellent SMC results are eligible to participate in BMO Round 1. International students can register for BMO Round 1 directly.

UKMT Challenges

Note: There is no promotion relationship between the following challenges. Students can register and participate based on their grade level and mathematical abilities.

Grade

| Senior Mathematical Challenge (SMC) | - - → | British Mathematical Olympiad (BMO) | Grade 12 or below |

| Intermediate Mathematical Challenge (IMC) | - - → | CMO – Grade 8 (Cayley Mathematical Olympiad) / HMO – Grade 9 (Hamilton Mathematical Olympiad) / MMO – Grade 10 (Maclaurin Mathematical Olympiad) | Grade 10 or below |

| Junior Mathematical Challenge (JMC) | - - → | Junior Mathematical Olympiad (JMO) | Grade 7 or below |

Mathematical ability

■ Senior Mathematical Challenge (SMC)

Language: English

Date: Oct. 10, 2025 (Fri.) 90 mins

Form: Online

Student Eligibility: Grade 12/Year 13 or below

Format: Individual test, 25 multiple-choice questions

Scoring Rules: Starting score 25 points, 4 points for correct answer, 1 point deducted for wrong answer, answers left blank will be marked as 0

Awards

Global Awards (2024 thresholds)

- Gold: 83+
- Silver: 66+
- Bronze: 49+
- Best in School: The top 1 participant in the school
- Best in Year: The top 1 participant in each grade in the school

(Top-Scoring Rules 66% of participants will be awarded Gold, Silver and Bronze in the ratio 1:2:3. International participants will be awarded based on the UK thresholds. Students not amongst the high scorers will receive a Certificate of Participation in E-version.)

Registration Details

Fee: THB 950 per student (Includes the exam administration, grading, past papers, certificates)

Deadline: 2 weeks before the competition

■ British Mathematical Olympiad (BMO Round 1)

Language: English

Date: Nov. 20, 2025 (Thu.) 210 mins

Form: Online

Student Eligibility: Grade10-12 / Year 11-13

Scoring Rules: Proof questions. Each question carries 10 marks. Answers left blank will be marked as 0; Partial marks are awarded depending on the clarity of the participants Mathematical presentation. We advise working in rough first, then writing up your best attempt. One complete solution will gain more credit than several unfinished attempts.

Awards

- Gold Medal: Top 20 in UK
- Silver Medal: 21-50 in UK
- Bronze Medal: 51-100 in UK

- Distinction: the 2024 thresholds is 26+, about the top 25% of students achieved this award
- Merit: the 2024 thresholds is 10+, about the top 66% of students achieved this award

* The top Scoring students will receive a Certificate of Distinction or a Certificate of Merit depending on the cut-off score. Also, those who reach the Gold, Silver or Bronze thresholds will receive the corresponding medal.

BMO Round 2 qualification threshold: Around 100 top-scorers in UK will qualify in BMO Round 2. International participants will be awarded based on the UK thresholds.

2024 BMO Round 2 thresholds: 10

Registration Details

Fee: THB 3560 per student (Includes the exam, grading, proctor fee, past-papers, certificate)

Deadline: 2 weeks before the competition

■ British Mathematical Olympiad (BMO Round 2)

Language: English

Date: Jan. 22, 2026 (Thu.) 210 mins

Form: Online

Student Eligibility: Round 1 qualified students

Duration: 3.5 hours

Scoring Rules: Proof questions, Each question carries 10 marks. Answers left blank will be marked as 0; partial marks are awarded depending on the clarity of the participants Mathematical presentation. We advise working in rough first, then writing up your best attempt. One complete solution will gain more credit than several unfinished attempts.

Awards

Global Awards (2025 thresholds)

- Distinction: 18+
- Merit: 8+

International participants will be awarded based on the UK thresholds.

Registration Details

Fee: THB 3560 per student (Includes the exam administration, grading, past-papers, certificate. Medal shipping fee is not included)

Deadline: 2 weeks before the competition
Please make sure to register through official channels such as the ASEEDER website, your school, or officially authorized overseas institutions. Do not trust individuals or unofficial registration institutions. If you have any questions, please contact us directly.

PhysicsBowl
Date: March. 2026
Website: https://www.phiconnections.org/stem#science

Grade 10-12 / Year 11-13

Canadian Chemistry Contest (CCC)
Date: April, 2026
Website: https://www.phiconnections.org/stem#science
Grade 10-12 / Year 11-13

International Chemistry Quiz (ICQ) Date: August, 2026
Website: https://www.phiconnections.org/stem#science

Grade 7-12 / Year 8-13

USA Biolympiad (USABO)
Date: April, 2026
Website: https://www.phiconnections.org/stem#science
Grade 7-12 / Year 8-13