



# MIMO

6th Malaysia International Mathematics Olympiad Competition

# 2019

# Information (Local)

Organizer:



Co-Organizers:



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# 6<sup>th</sup> Malaysia International Mathematics Olympiad Competition

(MIMO 2019)

23<sup>rd</sup> ~ 24<sup>th</sup> November 2019 -Kuala Lumpur

<b>1.</b>	<b>Competition Name</b>
	Malaysia International Mathematics Olympiad Competition (MIMO)
<b>2.</b>	<b>Date</b>
	23 <sup>rd</sup> -24 <sup>th</sup> November, 2019
<b>3.</b>	<b>Venue</b>
	SJK (C) Lai Meng  No. 1, Jalan 15/155C Bandar Bukit Jalil 57000 Kuala Lumpur.
<b>4.</b>	<b>Organizer, co-organizer and collaborate organizers</b>
	Persatuan Matematik Olympiad Malaysia (PERMATO) Malaysia Mathematics Olympiad Society SJK(C) Lai Meng SJK(C) Lick Hung (Sekolah Berprestasi Tinggi) SMJK Confucian E Mathematics Olympiad System (EMOS)
<b>5.</b>	<b>Objectives</b>
	<ol style="list-style-type: none"><li>1. To organize an annually international mathematics competition for primary school.</li><li>2. To provide mathematics educators, teachers and students a broad platform for exchange and interchange of experience and ideas.</li><li>3. To raise students' interest in mathematics and to explore and unlock their potential.</li><li>4. To motivate math students to raise their logical reasoning and fall in love with the beauty of solving mathematical problem.</li><li>5. To promote the development and upgrading school mathematics curriculum.</li></ol>

<b>6.</b>	<b>Level of Competition</b>																						
	1. <b>Middle Primary</b> : Standard 3 and 4 (Year 3 to 4) 2. <b>Upper Primary</b> : Standard 5 and 6 ( Year 5 to 6)																						
<b>7.</b>	<b>Qualification of Participants</b>																						
	1. Middle primary : student must be born after 01/01/2009 2. Upper Primary : Student must not be enrolled in secondary school and student must be born after 01/01/2007																						
<b>8.</b>	<b>Syllabus Covered</b>																						
	1. IQ questions/puzzles 2. Numerical manipulations 3. Mensuration in 2 & 3 dimensions 4. Problem solving 5. Simple integral divisibility 6. Logical thinking 7. Simple combinatorial problems																						
<b>9.</b>	<b>Competition Format</b>																						
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>Content</th> <th>Type</th> <th>Questions</th> <th>Time</th> <th>Total Score</th> </tr> </thead> <tbody> <tr> <td>Paper 1</td> <td>Individual</td> <td>Short Answers</td> <td>25</td> <td>90minutes</td> <td>120</td> </tr> <tr> <td>Paper 2</td> <td>Team</td> <td>Short Answers</td> <td>10</td> <td>60minutes</td> <td>100</td> </tr> </tbody> </table> <p>There are two types of contests in each division namely, individual and team contests. All participants must participate in both type of contests.</p> <ol style="list-style-type: none"> <li><b>Individual Contest</b> : students are given 90 minutes to answer 25 questions individually.</li> <li><b>Team Contest</b> : The 4- team members are given 10 minutes to discuss and distribute among themselves the first 8 questions. Each student must take at least 1 question. Each member has 35 minutes to write independently the answers of his/her allotted question(s) with no further discussion and exchanges of questions.</li> <li>The 4-team members will be given the last 2 questions which allow them to solve together in 15 minutes.</li> </ol>						Content	Type	Questions	Time	Total Score	Paper 1	Individual	Short Answers	25	90minutes	120	Paper 2	Team	Short Answers	10	60minutes	100
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10.	<b>Period of application and Procedure</b>
	<ol style="list-style-type: none"> <li>1. <b>We accept school registration only.</b> MIMO 2019 are welcome all Malaysia schools' to join the competition. The number of participants from each school is not limited.</li> <li>2. A filled-up registration form or downloaded form from <a href="http://www.permato.org.my">www.permato.org.my</a> must be submitted via e-mail/Fax to the organizer on or before <b>31/08/2019</b>. Each school should <b>specify the number of participating teams for each division</b> to the organizer through this email : <a href="mailto:mypermato@gmail.com">mypermato@gmail.com</a> or fax : 03-4296 7322</li> <li>3. A team of 4-members from the <b>same school</b> and <b>same categories</b> are require to qualify for the team competition.</li> </ol>
11.	<b>Registration fees</b>
	<ol style="list-style-type: none"> <li>1. RM320/team (4students) for <b>BOTH</b> individual and team contest Or RM80/student</li> <li>2. Registration fees are non- refundable and non- transferable.</li> <li>3. Please make cheque/remit payable to : <b>PERSATUAN MATEMATIK OLYMPIAD MALAYSIA</b> Maybank Account Number : <b>5143-8356-0429</b></li> <li>4. Scan the receipt and email to the organizer as a proof of payment.</li> </ol>
12.	<b>Closing Date</b>
	31 <sup>st</sup> August, 2019(SATURDAY)
13.	<b>Expenses</b>
	Each participating school is responsible for their travelling expenses, accommodations (if any) and meals during the official period of competition.
14.	<b>Awards and prizes</b>
	<ol style="list-style-type: none"> <li>1. <b>Individual Award:</b> gold, silver and bronze medals. Approximately two-thirds of the contestants will receive Individual Awards, in the form of Gold, Silver and Bronze Medals in the percentage of 10%, 20% and 30%.</li> <li>2. <b>Team Award:</b> Champion, 1<sup>st</sup> and 2<sup>nd</sup> runner-up trophies. In the team contest, the total score of all contestants in each team is considered the team score. The teams are first ranked by their total scores. Ties are broken according to the scores of team contest problems, starting with the most difficult ones.</li> <li>3. <b>Group Award:</b> Grand champion, 1<sup>st</sup> and 2<sup>nd</sup> runner-up trophy The total scores of the four contestants in each team for Individual Contest and Team Contest will be summed up. Prizes will be awarded to the top teams with the highest scores of <b>each division</b> in the form of <b>one grand champion, one 1<sup>st</sup> runner-up and one 2<sup>nd</sup> runner-up.</b></li> </ol>

	<p><b>4. Overall Award:</b> Overall Champion trophy The Overall Prize is awarded to the individual and team that obtains the highest score of the <b>each division</b>.</p> <p><b>Individual :</b> 1 Overall champion trophy for Middle and Upper primary division. <b>Team :</b> 1 Overall champion trophy for Middle and Upper primary division</p> <p><b>5. Certificate:</b> Every participant, team leader/teacher will receive a MIMO 2019 certificate.</p>
<b>15.</b>	<b>MIMO 2019 Technical Committee</b>
	MIMO 2019 Committee comprises of local math experts and members of MIMO Executive Board.
<b>16.</b>	<b>Official Languages</b>
	Bahasa Malaysia, English and Chinese will be the official languages of MIMO 2019.
<b>17.</b>	<b>Competition Papers</b>
	The participating school are encourage to send <b>ten</b> proposed problems with detailed solution, using Word files written in English for the Middle Primary and Upper Primary contest, that is five for individual contest and another five for the team contest on or before <b>01/10/2019</b> to allow the MIMO Academic Committee to do the consideration and preparation of competition papers. The team leaders/teachers must avoid using the exact proposed problems they submitted to the organizer for training their contestants.
<b>18.</b>	<b>Additional Information</b>
	Each participating school should do the following : <ol style="list-style-type: none"> <li>1. Inform the participants/students to prepare a simple souvenirs or gifts for exchange during the <b>award ceremony</b> with local/overseas students.</li> <li>2. Students are required to wear school uniform to attend the competition.</li> <li>3. Only awardee will be allowed to collect medal/trophy/certificate.</li> </ol>

### (19) MIMO 2019 Proposed Itinerary

Date	Time	Participants	Teachers and Parents
2 <sup>3rd</sup> Nov, 2019	08:00-08:45am	Registration- Lobby	Briefing-Lobby
	09:10-10:40am	Individual contest	Speech from math expert-Auditorium
	11:00am-12:00pm	Team contest	
24 <sup>th</sup> Nov, 2019	08:00 -09:00am	Registration-Lobby	Free time
	09:00-09:30am	Closing ceremony-Hall	Closing ceremony-Hall
	09:30am-12:00pm	Award ceremony- Hall Students exchange gifts	Award ceremony- Hall