

Republic of the Philippines

Department of Education

Region VI – Western Visayas SCHOOLS DIVISION OF CAPIZ

Division Advisory No. 121, s. 2023
August 29, 2023
In compliance with DepEd Order No. 8, s. 2013
this advisory is issued not for endorsement per DO 28, s. 2001, but for the information of SDO Capiz
officials and personnel/staff

THAILAND INTERNATIONAL MATHEMATICAL OLYMPIAD (TIMO) HEAT ROUND

Attached is a letter from the Math Olympiads Training League Inc. (MOTLI) in connection with the conduct of Thailand International Mathematical Olympiad (TIMO) Heat Round Philippines on October 22, 2023.

For more details, please see the attached invitation letter along with its syllabus.

Address: Banica, Roxas City Contact Number: (036) 620 2371 Email Address: <u>capiz@deped.gov.ph</u> Website: http://depedcapiz.ph







July 8, 2023	
Sir/Madam,	
Greetings of Peace!	

The Math Olympiads Training League Incorporated (MOTLI) would like to invite your prestigious school to participate in our upcoming competition - Thailand International Mathematical Olympiad (TIMO) Heat Round 2023 - Philippine Region on the schedules indicated below.

COMPETITION	TARGET PARTICIPANTS	HEAT ROUND / FINAL ROUND STAGE	HEAT ROUND VENUE	FINAL ROUND VENUE
Thailand International Mathematical Olympiad (TIMO)	KINDERGARTEN TO GRADE 12	October 22, 2023 / March 30, 2024	ONLINE	BANGKOK, THAILAND /ONLINE

TIMO aims to:

- stimulate and foster young learners' interest in learning mathematics;
- strengthen the ability of their creative thinking;
- widen their International perspective, and promote the development ofkindergarten, primary and secondary education and exchange of educational cultures throughout countries.

To prepare the student-participants, MOTLI offers Virtual Topic-Appropriate Mathematics Program and Simulation (VTAMPS V.13.0) - a 5-day online/virtual student-centered training and enhancement program open to all registered participants. Attendance to the said program is voluntary in nature and shall not be a requirement to join TIMO-Heat.

As partners of learning, MOTLI gives due recognition to schools and coaches based from the performances of their students.

We request your good office to help us in the dissemination of this information so that the Philippines can be represented by the best and finest Filipino math wizards in this international correspondence contest.

MATH OLYMPIADS TRAINING LEAGUE INC.

Medalists in the heat round will then be eligible to join the final round. For full details, see the next pages.

For information and inquiries, please contact:

MOTLI Secretariat **0966-873-9643**

Email: motlphilippinesegmail.com motliphilippinesegmail.com motliphilippines.csregmail.com matholympiadstlegmail.com

Facebook Page: Math Olympiads Training League Inc. - MOTLI

Website: www.motli.ph

Thank you very much and more power!

Respectfully yours,

ENGR. KAREN SY

President

MOTLI

X WTAMPS	VTAMPS	VERSION	13.0 SCH	EDULE (GMT+8)
VTAMPS VERSION 13.0	September 10, 2023	September 17, 2023	October 1, 2023	October 8, 2023	October 15, 2023
SCHEDULE (GMT+8)	SESSION 1	SESSION 2	SESSION 3	SESSION 4	SESSION 5
KINDERGARTEN	10:00 - 12:00 NN	10:00 - 12:00 NN	10:00 - 12:00 NN	10:00 - 12:00 NN	10:00 - 12:00 NN
PRIMARY 1	10:00 - 12:00 NN	10:00 - 12:00 NN	10:00 - 12:00 NN	10:00 - 12:00 NN	10:00 - 12:00 NN
PRIMARY 2	10:00 - 12:00 NN	10:00 - 12:00 NN	10:00 - 12:00 NN	10:00 -12:00 NN	10:00 - 12:00 NN
PRIMARY 3	8:00 - 10:00 AM	8:00 - 10:00 AM	8:00 - 10:00 AM	8:00 - 10:00 AM	8:00 - 10:00 AM
PRIMARY 4	8:00 - 10:00 AM	8:00 - 10:00 AM	8:00 - 10:00 AM	8:00 - 10:00 AM	8:00 - 10:00 AM
PRIMARY 5	1:00 - 3:00 PM	1:00 - 3:00 PM	1:00 - 3:00 PM	1:00 - 3:00 PM	1:00 - 3:00 PM
PRIMARY 6	1:00 - 3:00 PM	1:00 - 3:00 PM	1:00 - 3:00 PM	1:00 - 3:00 PM	1:00 - 3:00 PM
SECONDARY 1	3:00 - 5:00 PM	3:00 - 5:00 PM	3:00 - 5:00 PM	3:00 - 5:00 PM	3:00 - 5:00 PM
SECONDARY 2	3:00 - 5:00 PM	3:00 - 5:00 PM	3:00 - 5:00 PM	3:00 - 5:00 PM	3:00 - 5:00 PM
SECONDARY 3	5:00 - 7:00 PM	5:00 - 7:00 PM	5:00 - 7:00 PM	5:00 - 7:00 PM	5:00 - 7:00 PM
SENIOR SECONDARY	5:00 - 7:00 PM	5:00 - 7:00 PM	5:00 - 7:00 PM	5:00 - 7:00 PM	5:00 - 7:00 PM



MATH OLYMPIADS TRAINING LEAGUE INC. (MOTLI)

SEC Registration Number: CN 201964950





REGISTRATION PROCEDURE

a. Deposit the TIMO Registration fee of \$20 (USD) or ₱1160.00 (Peso) per student per competition or if you opt to take the VTAMPS V.13.0 (Math Training Program) just add ₱1400.00 at any BDO bank branches. Online banking is also accepted.

BANK NAME	ACCOUNT NAME	ACCOUNT NUMBER
BANCO DE ORO (BDO) USD	MATH OLYMPIADS TRAINING LEAGUE INC.	101-8003-99527
BANCO DE ORO (BDO) PESO	MATH OLYMPIADS TRAINING LEAGUE INC.	001-8080-26893

b. Register through online links:

COMPETITION	ONLINE REGISTRATION LINK	REGISTRATION DATES	SITTING DATE
Thailand International Mathematical Olympiad (TIMO)	https://form.jotform.co m/motlijotlinks/timo -2023-heat-round- registration	Starts: July 15, 2023 Ends: October 2, 2023	October 22, 2023
Virtual Topic Appropriate Mathematical Program and Simulation (VTAMPS V.13.0)	https://form.jotform.co m/motlijotlinks/vtam ps-v130	Starts: July 15, 2023 Ends: September 6, 2023	Schedule in the link & above

PHILIPPINE REGION SECRETARIAT: MATH OLYMPIADS TRAINING LEAGUE INC. - MOTLI

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motliphilippines.csr@gmail.com
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Follow our Facebook page for updates.

Treatment Language Long Processes

MATH OLYMPIADS TRAINING LEAGUE INC. (MOTLI)

PRIZES AND AWARDS

A. Students:

Students shall be recognized in the following categories

AWARDS RECEIVED PER STUDENT	
GOLD	MEDAL AND CERTIFCATE
SILVER	MEDAL AND CERTIFCATE
BRONZE	MEDAL AND CERTIFCATE
MERIT	CERTIFICATE
PARTICIPATION	CERTIFICATE

Additional recognition for top-performing students shall be given trophies based on the global rankings per grade level.

- Champion Trophy: the top scorer
- First and Second Runners Up Trophy: the 2nd top scorer and 3rd top scorer respectively.
- Perfect Scorer Trophy: perfect score

B. School/Coach:

- Most Outstanding School Award
 Must produce (8) students with Gold awards
- Top Performing School Award Able to encourage at least 30 students with ranging awards received from Gold to Participation Awards.
- Most Outstanding Teacher-Coach Award

A teacher-coach employed in a school institution that trains students in at most 3 different year levels and accumulates at least 25 points based on the total points obtained from the awards received per student being coached or trained.

POINT SYSTEM FOR ALL SPECIA	L AWARDS
AWARDS RECEIVED PER STUDENT	POINTS
GOLD	5
SILVER	4
BRONZE	3
MERIT	2
PARTICIPATION	1



MATH OLYMPIADS TRAINING LEAGUE INC. (MOTLI)

PRIZES AND AWARDS

C. Division:

• TOP 5 Outstanding Divisions

The Top 5 outstanding divisions must accumulate the greatest number of points obtained from the awards received per student of the same division with at least 60 registered participants.

Kindergarten Group

	Kindergation Group
Topics	Kindergarten Group
Logical Thinking	 Balance Problem Basic Number Pattern Basic Number Sequence Basic Figure Pattern IQ Age Problem IQ Date Problem Smart Addition on 1-digit numbers
Arithmetic	 Addition on 1-digit numbers with carrying Addition on 2-digit numbers without carrying Smart Subtraction on 1-digit numbers Subtraction on 1-digit numbers with carrying Subtraction on 2-digit numbers without carrying Balance on an equation
Number Theory	 Introduction on Odd & Even numbers Mathematical Leveling Basic Fibonacci Series Match Equation Basic Number Pattern Simple Number Distribution
Geometry	 Counting on 2-D Figures & 3-D Figures Counting on number of sides & interior angles Distinction on 2-D Figures Basic Figure Pattern
Combinatorics	 Arranging the numbers in orders Simple Distribution Counting on specific numbers Formation of a 3-digit number Comparison on magnitude of 2-digit numbers

Website: http://www.thaiimo.com/



Primary Group

Topics	Primary 1	Primary 2	Primary 3
Logical Thinking	 Balance Problem Basic Number Pattern & Sequence Basic Figure Pattern IQ Age Problem & Date Problem Guess on 2-digit numbers 	 Balance Problem Basic Number Pattern & Sequence Basic Figure Pattern IQ Age Problem & Date Problem Guess on 2-digit numbers 	 Periodic Problem Advanced Figure Pattern IQ Age Problem & Date Problem Guess on 3-digit numbers Basic Pigeonhole Principle
Arithmetic	 Smart Addition on 1-digit numbers with carrying Smart Subtraction on 1 to 2-digit numbers with carrying Multiplication on 1 to 2-digit numbers without carrying Balance on an equation 	 Smart Addition on 2-digit numbers with carrying Smart Subtraction on 1 to 2-digit numbers with carrying Multiplication on 2-digit numbers with carrying Balance on an equation 	 Gaussian Addition Smart Addition on 3-digit numbers with carrying Smart Subtraction on 3-digit numbers with carrying Multiplication on 3-digit numbers
Number Theory	 Introduction on Odd & Even Mathematical Leveling Advanced Fibonacci Series Match Equation Basic Arithmetic Pattern 	 Introduction on Odd & Even Mathematical Leveling Advanced Fibonacci Series Match Equation Basic Arithmetic Pattern 	 Introduction on prime numbers Sum, Difference & Multiples Arithmetic Operation Basic Arithmetic Pattern Simple Divisibility
Geometry	 Counting on number of 2-D & 3-D Figures Counting on number of sides & interior angles Distinction on 2-D Figures Basic Figure Pattern 	 Counting on number of 2-D & 3-D Figures Counting on number of sides & interior angles Distinction on 2-D Figures Basic Figure Pattern 	 Counting on number of 2-D Figures Counting on Vertices, Faces & Edges of 3-D Figures Observations about 3-D Figures Basic Concept about Area & Perimeter Relationship between Line Segments, Angles & Figures
Combinatorics	 Seven Bridges of Königsberg Arranging numbers in orders Simple Distribution Counting on specific numbers Formation of a 3-digit number 	 Arranging numbers in orders Simple Distribution Counting on specific numbers Formation of a 3-digit number Simple Combination 	 Basic Routing Problem Advanced Distribution Counting on specific numbers Formation of a 3-digit number Excess and Deficiency

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Primary Group

		Timary Group	
Topics	Primary 4	Primary 5	Primary 6
Logical Thinking	 Periodic Problem Advanced Figure Pattern Chicken Rabbit Theorem Guess on 3-digit numbers Basic Pigeonhole Principle 	 Chicken Rabbit Theorem Speed, Distance & Time Problem Guess on 4-digit numbers by given number properties Advanced Pigeonhole Principle 	 Construction Problem Speed, Distance & Time Problem Guess on 4-digit numbers by given number properties Advanced Pigeonhole Principle
Arithmetic	 Gaussian Addition Smart Addition on 4-digit numbers with carrying Smart Subtraction on 4-digit numbers with carrying Multiplication on 3-digit numbers 	 Advanced Gaussian Addition Smart Calculation on Decimals & Fractions Sum of a series of square numbers Method of Difference equations Smart Addition on 5-digit numbers with carrying 	 Advanced Gaussian Addition Smart Calculation on Fractions Sum of a series of square numbers Sum of a series of cubic numbers Method of Difference equations Sum of Geometric Sequence
Number Theory	 Introduction on prime numbers Sum, Difference & Multiples Arithmetic Operation Relationship between L.C.M & H.C.F Simple Divisibility 	 Advanced Divisibility Number of positive factors Sum of all positive factors Unit digit of a series of n-digit numbers 	 Advanced Divisibility Number of positive factors Sum of all positive factors Unit digit of a series of <i>n</i>-digit numbers
Geometry	 Counting on number of 2-D Figures Counting on Vertices, Faces & Edges of 3-D Figures Observations about 3-D Figures Basic Concept about Area & Perimeter Relationship between Line Segments, Angles & Figures 	 Area & Perimeter of 2-D Figures Ratio of Area of 2-D Figures Volume & Surface Area of 3-D Figures Counting on number of 2-D Figures Relationship between Line Segments, Angles & Figures 	 Area & Perimeter of 2-D Figures Ratio of Area of 2-D Figures Volume & Surface Area of 3-D Figures Area of circle & Circumstance Relationship between Line Segments, Angles & Figures
Combinatorics	 Basic Routing Problem Advanced Distribution Counting on specific numbers Formation of a 3-digit number Excess and Deficiency 	 Advanced Pigeonhole Principle Advanced Routing Problem Combinations & Permutations Principle of Inclusion and Exclusion Excess and Deficiency 	 Advanced Pigeonhole Principle Advanced Routing Problem Combinations & Permutations Principle of Inclusion and Exclusion Simple Probability

Website: http://www.thaiimo.com/



Secondary Group

Topics	Secondary 1	Secondary 2
	Advanced Periodic Problems	> Advanced Pigeonhole Principle
	Speed, Distance & Time Problem	Guess on 4-digit numbers
Logical Thinking	Advanced Pigeonhole Principle	 Relationship between mean, median & sum
	Guess on 4-digit numbers	Advanced Distributions
	Relationship between mean, median & sum	Advanced Periodic Problems
	Operation on directed numbers	➤ Algebraic expression
	Algebraic expression	> Factorization
Algebra	Linear Equations	Introduction on Absolute Value
Aigeora	Introduction on Absolute Value	Simplification on surd form
	Simplification on surd form	Euclidean Algorithm
	Euclidean Algorithm	> Introduction on Inequalities
	Advanced problems on Prime Numbers	Periodic remainder problems
	 Counting on possible solution(s) on Indefinite equations 	Counting on possible solution(s) on Indefinite equations
Number Theory	Introduction on repeating surd forms	> Introduction on repeating surd forms
	➤ Sum of all Digits	Extreme values of a polynomial
	Relationship between L.C.M & H.C.F	> Factor Theorem
	Usage of Pythagorean theorem	Advanced usage of Pythagorean theorem
	Characteristics of Congruent Triangles & Similar Triangles	➤ Characteristics of Congruent Triangles & Similar Triangles
Geometry	Area of circle & Circumstance	> Triangle Inequality
Geomeny	 Relationship between Line Segments, Angles & Figures 	Relationship between Line Segments, Angles & Figures
	Knowledge on Rectangular Coordinate System	Knowledge on Rectangular Coordinate System
	➤ Volume & Surface Area of 3-D Figures	Concepts about angle bisectors
	Advanced Pigeonhole Principle	Advanced Pigeonhole Principle
	Advanced Routing Problem	Advanced Routing Problem
Combinatorics	Combinations & Permutations	Combinations & Permutations
Combinatories	Principle of Inclusion and Exclusion	Principle of Inclusion and Exclusion
	Simple Probability	Simple Probability
	➤ Triangle Inequality	Counting on Like & Unlike Terms of a polynomial

Website: http://www.thaiimo.com/



Secondary Group

Topics	Secondary 3	Senior Secondary Group (S4 – S6 in ONE group)
Logical Thinking	 Advanced Pigeonhole Principle Guess on 4-digit numbers Relationship between mean, median & sum Advanced Distributions Advanced Periodic Problems 	 Advanced Pigeonhole Principle Guess on 5-digit numbers Relationship between mean, median & sum Advanced Distributions Advanced Periodic Problems
Algebra	 Sum & Product of roots of a quadratic equation Algebraic expression Introduction on Absolute Value Simplification on surd form Euclidean Algorithm Introduction on Inequalities 	 Sum & Product of roots of a quadratic equation Algebraic expression Introduction on Absolute Value Simplification on surd form Euclidean Algorithm Introduction on Inequalities
Number Theory	 Periodic remainder problems Counting on possible solution(s) on Indefinite equations Introduction on repeating surd forms Extreme values of a polynomial Modular Arithmetic 	 Periodic remainder problems Counting on possible solution(s) on Indefinite equations Introduction on repeating surd forms Extreme values of a polynomial Modular Arithmetic Introduction on complex numbers
Geometry	 Advanced usage of Pythagorean theorem Menelaus' Theorem Relationship between Line Segments, Angles & Figures Advanced knowledge on Rectangular Coordinate System Trigonometry 	 Advanced knowledge on Rectangular Coordinate System Menelaus' Theorem Relationship between Line Segments, Angles & Figures Circumcentre, Incentre, Centroid & Orthocentre Trigonometry
Combinatorics	 Advanced Pigeonhole Principle Combinations & Permutations Principle of Inclusion and Exclusion Advanced Probability Counting on Like & Unlike Terms of a polynomial 	 Advanced Pigeonhole Principle Combinations & Permutations Principle of Inclusion and Exclusion Advanced Probability Counting on Like & Unlike Terms of a polynomial

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DepEd Capiz <capiz@deped.gov.ph>

TIMO 2023 HEAT ROUND - INVITATION

1 message

MOTL PH <motlphilippines@gmail.com> Bcc: capiz@deped.gov.ph

Fri, Aug 18, 2023 at 7:35 AM

Dear Ma'am/Sir,

Greetings!

Math Olympiads Training League Inc. (MOTLI) would like to invite your school to join the upcoming competition, Thailand International Mathematical Olympiad (TIMO) Heat Round Philippines on October 22, 2023. TIMO has a world-class faculty that sets a global standard for academic excellence in the field of Mathematics. With the largest number of international students in Asia and the largest number of students studying abroad, TIMO is among the most respected and desirable competitions in the world. The objective of this competition is to develop Mathematics Olympiads all over the world. With more than 25 participating countries, TIMO is one of the most sophisticated international competitions we have handled.

In line with this, MOTLI also offers a training program called **VTAMPS V.13.0** (Virtual **Topic-Appropriate Mathematical Program and Simulation**) in preparation for the TIMO Heat Round Contest. For more details, please see the attached invitation letter along with its syllabus.

THAILAND INTERNATIONAL MATHEMATICAL OLYMPIADS 2023 HEAT ROUND REGISTRATION LINK:

https://form.jotform.com/motlijotlinks/timo-2023-heat-round-registration

Registration Deadline: OCTOBER 2, 2023

CONTEST DATE: OCTOBER 22, 2023

VTAMPS V.13.0 REGISTRATION LINK:

https://form.jotform.com/motlijotlinks/vtamps-v130

Registration Deadline: SEPTEMBER 6, 2023 (Limited Slots)

* Please disregard this email if you have already registered *

God Bless and stay safe.

Math Olympiads Training League Inc (MOTLI) motliphilippines@gmail.com

3 attachments



TIMO-2023-HEAT-LETTER-TO-SCHOOLS.pdf



TIMO-Syllabus.pdf



TIMO-2023-HEAT-LETTER-TO-PARENTS.pdf 649K