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Department of Education
NATIONAL CAPITAL REGION



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In compliance with DepEd Order (DO) No. 8, s. 2013
this Advisory is issued not for endorsement per DO 28, s. 2001.
but for the information of DepEd officials,
personnel/ staff as well as the concerned public.
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1st Math2Shine International Vedic Math Competition

Math2Shine Singapore, a company committed to spreading Vedic Math globally, is inviting learners to participate in the 1st Math2Shine International Vedic Math Competition on July 22, 2023 via online.

There are six levels of the competition:

- Beginners (below 9 years)
- Primary (below 11 years)
- Junior (below 13 years)
- Intermediate (below 16 years)
- Senior (below 18 years)
- Open (any age)

Enclosed is the contest mechanics.

To prepare for the competition, they offer free one-month access to the Math2Shine Student Portal, providing over 1200 Vedic Math worksheets and 2000 school curriculum-based worksheets. Previous Olympiad participants will also get one extra month of free access.

For more information and inquiries, please contact:

Lokesh Tayal
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Clmd/bcd



A legacy as rich as excellence!

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Website: <http://www.deped.gov.ph/regions/ncr/>

Mr. Cristito A. Eco
Asst. Regional Director
National Capital Region (NCR)

Dear Sir,

I am Lokesh Tayal, founder of Math2Shine Singapore, a company committed to spreading Vedic Math globally using our Ed-Tech platform. Our platform enables students to practice Vedic Math and improve their understanding by watching over 200 of my videos and 300 videos from Vedic Math legend Kenneth Williams, our co-founder.

I am writing to inform you about the Math2Shine Vedic Math Olympiad and invite education departments, schools, and colleges to participate in this year's international competition. Vedic Math, a natural system originating from India, is gaining traction globally, with figures like Indian Prime Minister Narendra Modi advocating for its use to improve math skills. The details of the competition is as follows:

Name: 1st Math2Shine International Vedic Math Competition

Date of Contest: July 22, 2023

Format: Online, 40 questions, 1 hour

Coordinators may choose among three schedules (all Singapore time)

8:00 – 9:00 AM

4:00 – 5:00 PM

12:00 MN to 1PM (July 23)

There are six levels of the competition:

- Beginners (Below 9 years)
- Primary (Below 11 Years)
- Junior (Below 13 Years)
- Intermediate (Below 16 Years),
- Senior (Below 18 Years)
- Open (any age)

To prepare for the competition, we offer free one-month access to our Math2Shine Student Portal, providing over 1200 Vedic Math worksheets and 2000 school curriculum-based worksheets. We will also provide previous Olympiad participants with one extra month of free access.

Top-ranked participants will receive medals, and those who pass with distinction will earn certificates. Our Olympiad is open to all, with Vedic Math knowledge being

a distinct advantage. We are collaborating with Mr. Virgilio Y. Prudente of MATH-Inic, a leading Vedic Math expert in the Philippines. He has trained large number of people in Vedic Math in Philippines and he would be appointing Local Coordinators to smoothly organize the competition in July 2023.

Our associate Mr. Virgilio Y. Prudente and local coordinators play a crucial role in influencing student participation. We would be delighted to offer them a two-month Vedic Math adult training certification at a significantly reduced price of PHP 1500 for online video-based training, it is a 90% discount on the listed price.

I sincerely request you to encourage students in your community and educational institutions to participate in the Math2Shine Vedic Math Olympiad. In addition to the confidence gained through Olympiad results, the preparation process will significantly benefit the students. We will also conduct sessions to help them understand the Olympiad preparation content.

Please feel free to contact us at contest@math2shine.com, if you have any questions or concerns.

Kind regards,

Lokesh Tayal

Founder, Math2Shine Singapore

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Annex I : Contest Mechanics

Annex II : Coverage

Annex III: About Math2Shine

ANNEX I: Contest Mechanics

Objectives:

- 1) To improve the level of Vedic Math knowledge among the participants.
- 2) To encourage the use of Vedic Math mental techniques in solving common problems.
- 3) To develop confidence, patience, and stamina among the learners in solving unfamiliar problems.
- 4) To enhance out-of-the-box thinking among participants.

Competition:

1) The competition will be held online on July 23, 2023, on three time slots: 8:00 AM, 4:00 PM and 12 Midnight, Singapore time.

2) The competition shall be administered by the Local Coordinators (LCs). Two set-ups may be considered:

a) The contestants are gathered in a spacious room with adequate internet connection. This will enable the LCs and their assistants to closely observe their participants who only need to use a laptop, notebook or cell phone to take the quiz.

b) The participants may be in their homes or classrooms but need an additional device where the camera is focused on them during the contest so that they can be observed by the LCs.

The LCs can use a combination of the 2 set-ups.

3) The competitions will be in six categories based on the age of the contestants on the date of the contest, July 23, 2023

a) Beginners (Primary B in IVMO 2022): 9 years or younger

b) Primary (Primary A in IVMO 2022): 11 years or younger

c) Juniors: 13 years or younger

d) Intermediate: 16 years or younger

e) Seniors: 18 years or younger

f) Open: any age

4) The participants will be given 60 minutes to answer forty multiple choice questions in Google Quiz. Correct answers to

a) Easy questions (1 to 25) will be given 2 points each,

b) Average questions (26 to 35) will be given 3 points each, and

c) Hard questions (36 to 40) will be given 4 points each.

- 5) The participants are not allowed to use any manual or electronic calculating device during the contest
- 6) Most questions can be answered using the traditional methods, but knowledge of Vedic Math is definitely an advantage. Some questions can only be solved using VM techniques.
- 7) The top 30% of the competitors in each category will be given Certificates of Recognition and for the top 5%, a Gold medal; for the next 10% , a Silver medal and a Bronze medal for the next 15%.
- 8) The next 30% will receive a Certificate of Merit each.
- 9) The non-winners will each receive a Certificate of Participation.

Local Coordinators in the Philippines:

- 1) The Local Coordinators(LCs) shall invite students and teachers to join the 1st M2S IVMC.
- 2) They shall be responsible for training their participants using the MATH2Shine platform for the event.
- 3) They shall assist and closely monitor the conduct of their participants while answering the competition questions.
- 4) Registration fee for LCs is P1,200.
- 5) Each LC shall be assigned a unique URL where his or her participants may register.
- 6) The LC shall collect the participants registration fee of P600 and shall remit to Math2Shine through its local representative, MATH-Inic Philippines, only 70% or P420 per participant. The remaining P180 shall be retained by the LC to cover any incidental expenses.

7) Those interested to be a Local Coordinator for the event can contact Mr Virgilio Y. Prudente (ike.prudente@math-inic.com or 09174763).

Participants Registration: The participants shall register with and pay the registration fee of P600 to the accredited Local Coordinator in their school or district not later than June 24, 2023.

Annex II : Coverage:

The topics to be included in each category shall be the same as those used in the 2nd International Mathematics Olympiad.

The coverage of questions in the beginners and primary groups are the same but the degree of difficulty of the questions will, of course, differ.

The Open category will have the same coverage as the Seniors category except that there will be no questions in Calculus and Triple trigonometry.

Beginners and Primary:

- Four basic arithmetic operations on whole numbers, fractions and decimals
- Simple divisibility rules: 2, 4, 8, 3, 6, 9, 5, 10
- Digit sums
- Doubling and halving
- Nikhilam Multiplication
- Squaring numbers ending in 5
- Multiplying “complementary numbers”
- Vertically and crosswise multiplication.
- Nikhilam Multiplication
- HCF and LCD using vertically and Crosswise
- Linear sequences
- Area and perimeter of simple shapes
- Primes, square and triangular numbers

Sutras involved:

- All from 9 and the last from 10
- Vertically and Crosswise
- By one more than the one before
- Proportionately
- By Addition and by subtraction
- By observation
- By the Last digits

Juniors:

- Four basic arithmetic operations on whole numbers, fractions and decimals
- Fractions to decimal conversion and vice versa
- Squaring numbers close to a base
- Using bar numbers
- Paravartya division
- Straight division with 2 digit divisors
- Percentages
- Direct and indirect proportion
- Finding the nth term in a linear sequence
- Linear equations
- Simple rules of indices
- Mean, median and mode
- Area and circumference of a circle
- Volume and surface Areas
- Angles in parallel lines, triangles and quadrilaterals

Sutras Involved:

- Deficiency
- Transpose and Adjust
- On the Flag
- By Elimination and Retention
- All the multipliers

Intermediate:

- Converting fractions with denominators ending in 9 into decimals
- Conversion of partially recurring decimals into fractions
- Straight division with 3-digit divisors
- Simultaneous linear equations
- Quadratic equations
- Nth terms for quadratic sequences
- Completing the square
- Difference of two squares
- Cubing 2-digit numbers
- Combined ratios
- Polynomial division with binomial divisors
- Polynomial multiplication

- Factor theorem
- Indices (including fractional and negative)
- Using last digits to check the answer
- Angles in polygons
- Equations of straight lines
- Similar areas and volumes

Sutras Involved:

- By completion or non-completion
- Particular and the general
- Product of the means, product of the extremes

Seniors and Open:

- Coefficients in polynomial products
- Using the first and last terms in polynomials
- Series expansion in polynomials
- Application of discriminants in quadratics
- Divisibility by osculation
- Logarithmic and exponential functions
- Inverse functions
- Partial fractions
- Method of differences
- Product and quotient rules
- Chain rule
- Pythagorean triples
- Addition and subtraction of angles
- Geometric problems involving triples
- Areas of shapes in coordinate axes
- Integration to find areas
- Equations of circles

Sutras involved:

- First by the first and last by the last
- The product of the sums is the sum of the product
- Differential Calculus
- Osculation

Annex III': About Math2Shine:

The Math2Shine Way

- <https://www.youtube.com/watch?v=05fObLjDLgE>

Students Portal

- <https://www.youtube.com/watch?v=s1bZ5SxOEWU&t=10s>

Tutors Portal

- https://www.youtube.com/watch?v=iiUw_DMA1wM&t=3s

Watch a Sample of Vedic Maths

- <https://www.youtube.com/watch?v=7qQsLFmekT0>

Students Feedback

- <https://www.youtube.com/watch?v=OFIOhG0b284>
- <https://www.youtube.com/watch?v=D8numLyLFNA>
- https://www.youtube.com/watch?v=vkd1LPK8b_w

Tutors Feedback

- https://youtu.be/MWxjnLtw_TA
- https://youtu.be/-AQ1_opjESk