



Math Kangaroo – Hopping Into the World of Mathematics Since 2018

Mathematical Kangaroo (also known as International Mathematical Kangaroo, or Kangourou sans frontières in French) is an international mathematical competition held across 92 countries in the world. There are twelve levels of participation, ranging from grade 1 to grade 12. The key competence tested by Mathematical Kangaroo is not just pure knowledge of formulas, but the logical combination of concepts.

Exam Durations: The exam lasts 90 minutes for all grades. The exam is held once a year, typically on the third Thursday of March.

Question Format & Scoring:

Grades 1 to 4: 24 questions. Total of 96 points

Grades 5 to 12: 30 questions . Total of 120 points

Each question has five multiple-choice options.

Scoring Rule:

- + Points for correct answers
- -1 point for each incorrect answer
- No penalty for unanswered questions

Registration & Participation: Individually Registered Students: Can only take the exam online.

Schools Participation: Can register for the exam in both offline and online modes.

Offline Exam Instructions (For School Registrations):

Conducted by the designated contact person at the school.

Students will receive an OMR sheet to mark their answers.

Blank sheets may be used for calculations and must be submitted after the exam.

Level-wise Paper Grouping:

| | |
|-------------------------|----------------------|
| Pre Ecolier 1 – Grade 1 | Cadet 1 – Grade 7 |
| Pre Ecolier 2 – Grade 2 | Cadet 2 – Grade 8 |
| Ecolier 1 – Grade 3 | Junior 1 – Grade 9 |
| Ecolier 2 – Grade 4 | Junior 2 – Grade 10 |
| Benjamin 1 – Grade 5 | Student 1 – Grade 11 |
| Benjamin 2 – Grade 6 | Student 2 – Grade 12 |

Allowed Materials: Students may use: Pencils, pens, erasers, rulers & Other geometric instruments

Not Allowed: Calculators, Smartwatches & Electronic gadgets

Math Kangaroo Fee Structure

- Once a Week - 1 class per week
- Total no of 4 classes per Month - \$167
- Registration Fee \$59
- Material Fee \$39
- Your card will be charged \$98, which includes the \$59 registration fee and the \$39 material fee.





Parent and Student Handbook

- **How do students join Math Kangaroo?**

Enrollment begins with an assessment, which can be scheduled either online or in-person through our Calendly booking system. Students must achieve a minimum score of 70% or higher to qualify. This process ensures that every student is placed in the right program and set up for success.

- **Do you give practice sessions for competitions?**

Yes, we offer dedicated Math Kangaroo preparation classes. Our programs include a comprehensive curriculum and regular mock tests at each level to strengthen problem-solving skills and build confidence.

- **Any accolades on winners?**

Yes! Our students performed exceptionally well in the Math Kangaroo 2023 competition.

- **Parth Mishra (Grade 4) achieved an outstanding National Rank 2 and State Rank 2.**
- **Sujal Mishra secured National Rank 17 and State Rank 14 in his category.**
- **Arjun Arali (Grade 1) earned National Rank 13.**
- **Vikhyath Reddy Meruva (Grade 2) achieved National Rank 16.**
- **Shlok Rathi (Grade 3) secured National Rank 15.**
- **Ira Kalyankar (Grade 4) attained National Rank 11.**

These exceptional results are a testament to the students' hard work, their parents' support, and the effectiveness of our structured math enrichment programs.



- **Any customer testimonials?**

We are proud to share the experiences of our students and their families. Here are some testimonials from parents who have witnessed their child's growth, confidence, and achievements through our programs. Their feedback reflects our commitment to fostering curiosity, learning, and excellence in every student.

Math Classes

Sunday, February 28, 2021

★★★★★

We're appreciate that Ms. Steffi has been very responsive to feedback and is patient with students.... >"

[Less](#)

- Michelle

- **What is the syllabus?**

Our detailed syllabus is available on our website and also attached below for your reference.

- <https://parinamaacademy.com/math-kangaroo/>

Kangaroo Math 1 & 2 | What will we teach your child?

| Arena 1 - #1 | |
|--------------|--|
| # | Sprints (5 Weeks) |
| 1 | Counting up to 30 and ordering to 5 points |
| 2 | Comparing sizes (more, less, equal) of small numbers and geometrical regions |
| 3 | Ordinal numbers |
| 4 | Place value (ones, tens, and up to hundreds for 5 point problems) |
| 5 | Review & Assessment |

| Arena 2 - #1 | |
|--------------|--|
| # | Sprints (5 Weeks) |
| 1 | Measurement length, capacity, weight, temperature, and time (only with small integers) |
| 2 | Patterns-numerical and geometrical (no sequences) |
| 3 | Perimeter; comparing length of broken lines |
| 4 | Relative positions in a figure or in space (behind, in front of, next to, left, right, over, under, middle, in, out) |
| 5 | Past paper practice |

| Arena 3 - #1 | |
|--------------|---------------------------------|
| # | Sprints (5 Weeks) |
| 1 | Bars and graphs (pictographs) |
| 2 | Venn diagrams (easy situations) |
| 3 | Calendar (week, month, year) |
| 4 | Money with small numbers |
| 5 | Past paper practice |



White Belt 1



Yellow Belt 1



Green Belt 1

| Arena 1 - #2 | |
|--------------|---|
| # | Sprints (5 Weeks) |
| 1 | Simple addition and subtraction should be just for 2 single-digit numbers |
| 2 | Number line just in simple applications |
| 3 | Fractions (1/2, 1/3, 1/4), only using the words half, third, quarter |
| 4 | Ordering objects by applying one specific characteristic; Sorting and classifying objects |
| 5 | Past papers (assessments) |

| Arena 2 - #2 | |
|--------------|---|
| # | Sprints (5 Weeks) |
| 1 | Descriptive properties of geometrical figures |
| 2 | Puzzles with mazes or shapes |
| 3 | More likely, less likely, certain, impossible |

| Arena 3 - #2 | |
|--------------|--|
| # | Sprints (5 Weeks) |
| 1 | Clock faces (full and half hours), but no minutes for 3 and 4-point problems |
| 2 | Simple axial symmetry; rotated shapes |
| 3 | Pre-algebra ideas like balances with concepts like equal, more, less... |
| 4 | Review of studied topics |
| 5 | Past papers (assessments) |

| # | Ordering objects by applying one specific characteristic; Sorting and classifying objects |
|---|---|
| 5 | Past papers (assessments) |

| # | Review of studied topics |
|---|---------------------------|
| 5 | Past papers (assessments) |

| # | Review of studied topics |
|---|---------------------------|
| 5 | Past papers (assessments) |

Kangaroo Math 3 & 4 | What will we teach your child?

| Arena 1 - #1 | | Arena 2 - #1 | | Arena 3 - #1 | |
|--------------|------------------------------------|--------------|--|--------------|---|
| # | Sprints (5 Weeks) | # | Sprints (5 Weeks) | # | Sprints (5 Weeks) |
| 1 | Area | 1 | Basic operations with positive integers (+, -, x, :) with numbers under 1000 | 1 | Number of the year problem |
| 2 | Perimeters | 2 | ordering numbers | 2 | under 1000 rule for problems about the digits |
| 3 | comparing lengths | 3 | Comparing sizes of numbers | 3 | Averages |
| 4 | counting in boxes on squared paper | 4 | Multiples | 4 | arithmetic mean |
| 5 | Review & Assessment | 5 | Past paper practice | 5 | Past paper practice |



White Belt 1



Yellow Belt 1



Green Belt 1

| Arena 1 - #2 | |
|--------------|---|
| # | Sprints (5 Weeks) |
| 1 | Symmetry |
| 2 | Types of Symmetry |
| 3 | Place value (ones, tens, and up to hundreds for 6-point problems) |
| 4 | addition and subtraction up to 4 digits numbers |
| 5 | Past papers (assessments) |

| Arena 2 - #2 | |
|--------------|---|
| # | Sprints (5 Weeks) |
| 1 | Divisors |
| 2 | fractions |
| 3 | Simple fractions representing parts of figures, like a quarter, |
| 4 | Simple fractions representing parts of figures, like a quarter, half, and third |
| 5 | Past papers (assessments) |

| Arena 3 - #2 | |
|--------------|-----------------------------|
| # | Sprints (5 Weeks) |
| 1 | Strategies for simple games |
| 2 | Classification of objects |
| 3 | Puzzles |
| 4 | Past papers (assessments) |
| 5 | Past papers (assessments) |

Kangaroo Math 5 & 6 | What will we teach your child?

| Arena 1 - #1 | | Arena 2 - #1 | | Arena 3 - #1 | |
|--------------|--------------------------|--------------|---|--------------|--|
| # | Sprints (5 Weeks) | # | Sprints (5 Weeks) | # | Sprints (5 Weeks) |
| 1 | Points, lines, segments, | 1 | Calculations with natural numbers | 1 | Problems with order between links with the representations (on graduate line, surfaces, ...) - Mental Math |
| 2 | circles | 2 | Recognizing multiples of 2, 3, 5, 9 and 10 | 2 | problems with percentages |
| 3 | (Special) triangles | 3 | calculations with positive rational numbers (fractions or decimals) | 3 | Metric system (length, weight, area) |
| 4 | (Special) quadrilaterals | 4 | calculations with positive rational numbers (fractions or decimals) | 4 | Metric system (volume, temperature, time) |
| 5 | Review & Assessment | 5 | Past paper practice | 5 | Past paper practice |



White Belt 1



Yellow Belt 1



Green Belt 1

| Arena 1 - #2 | |
|--------------|--|
| # | Sprints (5 Weeks) |
| 1 | Symmetry |
| 2 | Perimeter and area of squares and rectangles |
| 3 | Perimeter and area of right triangles |
| 4 | An intuitive approach to solid geometry |
| 5 | Past papers (assessments) |

| Arena 2 - #2 | |
|--------------|---|
| # | Sprints (5 Weeks) |
| 1 | algebraic notation - mental math |
| 2 | Counting problems - Mental Math |
| 3 | formulas Problems with decimal number system - Mental math |
| 4 | problems with order between numbers (integers, decimals, fractions) - Mental Math |
| 5 | Past papers (assessments) |

| Arena 3 - #2 | |
|--------------|---|
| # | Sprints (5 Weeks) |
| 1 | Problems using time, distance and/or velocity |
| 2 | Logical problems |
| 3 | analyzing a limited number of cases or hypotheses |
| 4 | Past papers (Review) |
| 5 | Past papers (assessments) |

- **Do you offer group or private classes?**
- **We offer small group classes (4-6 students per batch) for collaborative learning. Private one-on-one classes are also available, with tailored pricing reflecting the exclusive attention given to each child.**
- **Why should my child go for Math Kangaroo?**
- **Math Kangaroo is an excellent opportunity for young learners to enhance their mathematical thinking in a fun, engaging, and globally recognized environment. It promotes not just academic growth but also personal development.**

Here's why your child should consider participating:

- **Develops Critical Thinking:**
The thoughtfully designed questions encourage logical reasoning and creative problem-solving.
- **Boosts Math Confidence:**
Solving progressively challenging problems helps students gain confidence in their mathematical abilities.
- **Global Exposure:**
As an international competition, Math Kangaroo connects students with peers from around the world, offering a unique global perspective.
- **Encourages Independent Learning:**
Preparing for the exam fosters self-discipline, independent study habits, and collaborative learning in group settings.
- **Inclusive & Age-Appropriate:**
The competition is open to Grades 1 through 12, with questions tailored to each level, making it accessible and challenging for all students.
- **Is this a real Math Kangaroo?**
- **Yes, Math Kangaroo is a real, international mathematics competition for students in grades 1 through 12, founded in France in 1991 and now held annually in over 90 countries to promote problem-solving and logical thinking**
- **When do the programs start and stop—academic year or year-round?**
- **The official Math Kangaroo exam takes place once a year, typically on the third Thursday of March. However, year-round preparation is highly**

Parinama Academy

recommended to build consistency, boost confidence, and develop strong problem-solving skills.

- **Can a Grade 1 student participate?**
- **Yes. Math Kangaroo offers twelve levels of participation, corresponding to grades 1 through 12. Students are welcome to join at their respective grade level.**
- **What are the schedules?**

| In-Person Classes | Online Classes: |
|---|--|
| <ul style="list-style-type: none">● Monday: 4:00 PM – 8:00 PM● Tuesday: 4:00 PM – 8:00 PM● Wednesday: 4:00 PM – 8:00 PM● Thursday: 4:00 PM – 8:00 PM● Friday: 4:00 PM – 8:00 PM● Saturday: 11:00 AM – 12:00 Noon | <ul style="list-style-type: none">● Monday: 6:00 PM – 8:00 PM● Wednesday: 6:00 PM – 8:00 PM● Thursday: 6 PM – 8:00 PM● Saturday: 11:00 AM – 3:00 PM● Sunday: 9:00 AM – 2:00 PM |

- **What is your makeup policy?**
- **To request a makeup class, please complete the Student Absence Notification Form:**
<https://forms.gle/HPJsc37bC66sGFbF9>
- **Requests will be processed within 24-72 hours.**
- **All makeup classes must be attended within 10 days of the missed session.**
- **If a scheduled makeup class is missed, no additional class will be provided, but worksheets will be shared to support continued learning.**
- **What is your cancellation policy?**

To cancel your enrollment or stop auto-billing, please complete the Cancellation Form: <https://forms.gle/AX37ghxttChH62FKA>

A 30-day notice period is required, as mentioned in your welcome email.



Who will be teaching Math Kangaroo at Parinama Academy?



We have a dedicated team of experienced and passionate teachers who specialize in Olympiad-style mathematics. Each instructor is committed to nurturing problem-solving skills, building confidence, and making learning engaging for every student. With personalized attention and innovative teaching methods, our team ensures that every child reaches their full potential in MOEMS® and beyond.

Let's have a look at some of them:

Mehak Mehmi



Mehak Mehmi is one of our dedicated teachers who specializes in preparing students for Math Kangaroo, focusing on grades K through 5.



Mehak Mehmi

Competitive & Advanced Math Instructor

About Me

Over a year of teaching experience in Math Olympiad for 5th-6th grade students. Skilled at making lessons engaging and challenging, fostering a positive learning environment, and inspiring students to think critically and approach problems creatively. Demonstrates strong commitment to helping students excel in competitive and higher-level mathematics.

Contact

 mehak.mehmi@gmail.com
 Austin, Texas
 linkedin.com/in/mehak-mehmi

Volunteer Work

- Doctor Shadowing & Medical Blog - Documented observations in internal medicine.
- National & French Honor Societies - Recognized for scholarship and leadership.
- Athletics - JV Lacrosse Captain, Varsity Player, and Track Team participant.

Skills

- Advanced Mathematical Problem Solving
- Engaging Lesson Planning & Delivery
- Leadership & Team Collaboration
- Public Speaking & Communication
- Multilingual: English, Hindi (fluent); French & Punjabi (basic)

Education

- CASE WESTERN RESERVE UNIVERSITY - B.S. IN NEUROSCIENCE (PRE-MED TRACK)
- WESTWOOD HIGH SCHOOL, AUSTIN, TX - AP SCHOLAR AWARD, HONOR GRADUATE
- AUSTIN COMMUNITY COLLEGE - DUAL ENROLLMENT: BRITISH LITERATURE & COMPOSITION I & II

Work Experience

- (2023 - Present)**
MATH OLYMPIAD INSTRUCTOR
 - Designed and taught advanced problem-solving lessons for competitive math.
 - Encouraged multiple strategies and critical thinking.
- (2021 - 2023)**
FOUNDER & PRESIDENT - HELPING HANDS ACS
 - Created and led a cancer-awareness club partnering with the American Cancer Society.
 - Organized events, managed budgets, and led outreach.
- (2022)**
WEBINAR SPEAKER - DIGITAL4GOOD + #ICANHELP
 - Delivered a national webinar on youth leadership and community building
- (2021 - 2023)**
HOSPITAL VOLUNTEER
 - Assisted with patient care tasks, logistics, and communication with families and staff.

Afrin Mehmud



Courses Taught: Math Kangaroo (Grades 6–12), English (All Grades), Math (PreK-Algebra 2, Calculus), Test Prep (SAT English)

Afrin is a high school senior who began her journey with Parinama in 2022 as a volunteer. Since then, she has grown into a dedicated instructor, teaching English to students across all grade levels and Math from PreK through Calculus, including Math Kangaroo preparation for grades 6–12. She also provides SAT English test preparation.

Passionate about education, Afrin is committed to offering a personalized learning experience tailored to each student's needs. She ensures her students have access to the resources and support necessary for success. After graduation, she plans to study Biochemistry and pursue a career in medicine.

Michael Kaleohano

Multi-Subject Tutor | Math • English • Social Studies • College Prep



Michael Kaleohano is a dedicated and experienced tutor with a strong track record of helping students excel across a wide range of subjects, including Math, English, and Social Studies.



ADVANCED PLACEMENT (AP) EXAMS

- U.S. Government & Politics
- Human Geography
- U.S. History
- European History
- Macroeconomics
- Microeconomics
- Comparative Government & Politics
- World History
- English Literature & Composition
- English Language & Composition

MICHAEL KALEOHANO

MULTI-SUBJECT TUTOR | MATH • ENGLISH
• SOCIAL STUDIES • COLLEGE PREP

PROFILE

I am a committed tutor with experience across a wide range of subjects—including Math, English, and Social Studies—and have a strong record of helping students master challenging topics. I specialize in making complex concepts in U.S. History, Government, World History, English, and Math approachable and engaging for every learning style. My goal is to create an empowering environment that builds both competence and confidence in every student I teach.

COURSES & SUBJECTS TAUGHT

Core Subjects

- Math K-12
- English K-12
- Business English for Adults
- Creative Writing
- Debate
- SAT English
- College Essay Writing
- College Counseling