

MATH OLYMPIAD PREP COURSE 2015

2 – 3 JUNE 2015 (SESSION 1)
& 9 – 10 JUNE 2015 (SESSION 2)

INTRODUCTION

Are you really passionate about mathematics, and want to challenge yourself beyond classroom mathematics? Do you want to **sharpen your mathematical problem solving skills** as well as **to develop rigorous thinking**? Do you want to excel in national and international math competitions?

If yes, then this **Math Olympiad Prep Course** is perfect for you. The modules used in this camp are developed exclusively for students who excel in classroom mathematics and seek to challenge themselves further. Students will learn those topics needed to excel in national and international olympiads. This course is specially tailored to prepare and challenge the best students in Malaysia, although it is also **suitable for those with little background** in math olympiad.

VENUE

ArdentEdu Learning Centre
No. 53-1, Jalan Rampai Niaga 5
Rampai Business Park
Taman Sri Rampai
53300 Setapak, Kuala Lumpur.
(First floor, next to Old Town White Coffee)

Location map: <https://goo.gl/WJYo7j>

COURSE SCHEDULE

There will be two Sessions of 2-day courses, that will take place during the June school holiday:

SESSION 1: 2 & 3 JUNE 2015

DATE	TIME	ACTIVITY
2 June (Tuesday)	9.45 AM	Arrival and Registration
	10.00 AM	Intro & Lesson 1 Algebra : Sum & Difference of Two Squares/ Cubes
	11.30 AM	Break
	11.45 AM	Lesson 2 Combinatorics: The Multiplication and Addition Principles in Counting
	1.00 PM	Lunch
	2.00 PM	Lesson 3 Geometry: Pythagoras Theorem
	3.30 PM	Break
	3:45 PM	Lesson 4 Number Theory: Parity (Even or Odd)
	4:30 PM	Departure
3 June (Wednesday)	10.00 AM	Lesson 1 Algebra: Telescoping Sums
	11.30 AM	Break
	11.45 AM	Lesson 2 Combinatorics: Gaussian Pairing
	1.00 PM	Lunch
	2.00 PM	Lesson 3 Geometry: Similar Triangles
	3:30 PM	Break
	3:45 PM	Lesson 4 Number Theory: Primes and Divisibility
	4.30 PM	Departure

SESSION 2: 9 & 10 JUNE 2015

DATE	TIME	ACTIVITY
9 June (Tuesday)	9.45 AM	Arrival and Registration
	10.00 AM	Intro & Lesson 1 Algebra: Telescoping Products
	11.30 AM	Break
	11.45 AM	Lesson 2 Combinatorics: Pigeon Hole Principle
	1.00 PM	Lunch
	2.00 PM	Lesson 3 Geometry: Congruence and Parallelism
	3.30 PM	Break
	3:45 PM	Lesson 4 Number Theory: Last Digit Analysis
	4:30 PM	Departure
10 June (Wednesday)	10.00 AM	Lesson 1 Algebra: Basic Inequality (Squares are Nonnegative)
	11.30 AM	Break
	11.45 AM	Lesson 2 Combinatorics: Sequences
	1.00 PM	Lunch
	2.00 PM	Lesson 3 Geometry: Circles
	3:30 PM	Break
	3:45 PM	Lesson 4 Number Theory: Cryptarithm
	4.30 PM	Departure

Both sessions will cover **different topics**. You can join either one session only or both sessions, but it is recommended to attend both sessions for the maximum benefit.

TRAINERS

Mr. Jonathan Ramachandran is an experienced math olympiad trainer. He was the champion of Olimpiad Matematik Kebangsaan (OMK) in 2002, and represented Malaysia in the International Mathematical Olympiad (IMO) 2002 that was held in Glasgow, UK. He graduated from the department of mathematics, UKM, and worked for many years abroad as an engineer. He returned to Malaysia to pursue a teaching career, and have taught mathematics at a private school and several learning centers.

Mr. Suhaimi Ramly is a Malaysian national team coach for the IMO. He has been involved in math olympiad since 1998, and was selected to represent the country in the IMO three times in 1999 (Bucharest, Romania), 2000 (Taejon, Korea), and 2001 (Washington DC, USA). He is the leader of the Malaysian team to IMO 2009 (Bremen, Germany), 2010 (Astana, Kazakhstan), 2011 (Amsterdam, Netherlands), 2013 (Santa Marta, Colombia), 2014 (Cape Town, South Africa) and 2015 (Chiang Mai, Thailand). He graduated from Massachusetts Institute of Technology, USA, which has one of the top mathematics departments in the world.

REGISTRATION FEE

The non-refundable registration fee is to be paid on the first day of class.

COURSE	FEE
1 Session (2 days)	RM 200.00
2 Sessions (4 days)	RM 400.00

The registration fee covers:

- Handouts,
- Stationeries,
- Meals, and
- Tuition fee.

The registration fee does not cover:

- GST 6%.

We accept payment by:

- Cash
- Cheque
- Credit Card.

HOW TO REGISTER?

STEP 1

Complete the attached Registration Form and return to us by email (preferred) at info@ardentedu.com or by fax at 03 41490572.

STEP 2

Settle the registration fee on the first day of class. Please make your cheque payable to **ARDENT EDUCATIONAL CONSULTANTS SDN. BHD.**

FREQUENTLY ASKED QUESTIONS (FAQs)

1. My child is interested in this course, but he is still in primary school. Can he/she attend?

Yes.

2. Will lodging be provided?

No. Please make your own arrangement for lodging and transportation if you are traveling from out of state.

3. Will meals be provided?

We will provide lunch every day. Please let us know in advance if you have a specific dietary requirement, and we will do our best to accommodate.

4. What can I expect to achieve after attending this course?

Through this course, you will develop rigorous thinking in mathematics and the ability to prove mathematical statements. You will have a working knowledge of problem solving tools and strategies. You are ready to tackle problems at the national olympiad level (OMK), and some easier international olympiad competitions.

The OMK is a prestigious mathematical competition in Malaysia, patronized by the Ministry of Education and run by Persatuan Sains Matematik Malaysia (PERSAMA). It is open to all secondary school students from Form 1 to Form 6. The main objective of OMK is to encourage mathematical excellence among high school students. The OMK paper is very challenging, and requires a high dose of mathematical proficiency and higher order thinking skills.

5. I am a teacher. Can I attend this course?

Yes.

6. Are there any follow-up olympiad courses after this?

Yes, we will conduct 2-day classes once a month at the training center, for those who seek more in-depth training. Please contact us for more details.

CONTACT PERSONS

Ms. Syahanis
Tel: 03-41420441
Email: syaniz@aidan.com.my

Mr. Jonathan
Tel: 03 - 4131 3290
Email: jonathan@ardentedu.com

REGISTRATION FORM: MATH OLYMPIAD PREP COURSE (JUNE 2015)

PARTICIPANT 1	
NAME OF PARTICIPANT	
SESSION(S) TO ATTEND	[] SESSION 1 ONLY [] SESSION 2 ONLY [] SESSION 1&2
IC NUMBER	
SCHOOL NAME	
HOME ADDRESS	
PHONE NUMBER	
EMAIL ADDRESS	
EMERGENCY CONTACT (NAME)	
EMERGENCY CONTACT (RELATIONSHIP)	
EMERGENCY CONTACT (PHONE NO.)	
PARTICIPANT 2	
NAME OF PARTICIPANT	
SESSION(S) TO ATTEND	[] SESSION 1 ONLY [] SESSION 2 ONLY [] SESSION 1&2
IC NUMBER	
SCHOOL NAME	
HOME ADDRESS	
PHONE NUMBER	
EMAIL ADDRESS	
EMERGENCY CONTACT (NAME)	
EMERGENCY CONTACT (RELATIONSHIP)	
EMERGENCY CONTACT (PHONE NO.)	
PARTICIPANT 3	
NAME OF PARTICIPANT	
SESSION(S) TO ATTEND	[] SESSION 1 ONLY [] SESSION 2 ONLY [] SESSION 1&2
IC NUMBER	
SCHOOL NAME	
HOME ADDRESS	
PHONE NUMBER	
EMAIL ADDRESS	
EMERGENCY CONTACT (NAME)	
EMERGENCY CONTACT (RELATIONSHIP)	
EMERGENCY CONTACT (PHONE NO.)	

Send completed form to info@ardentedu.com or 03 41490572 (fax).