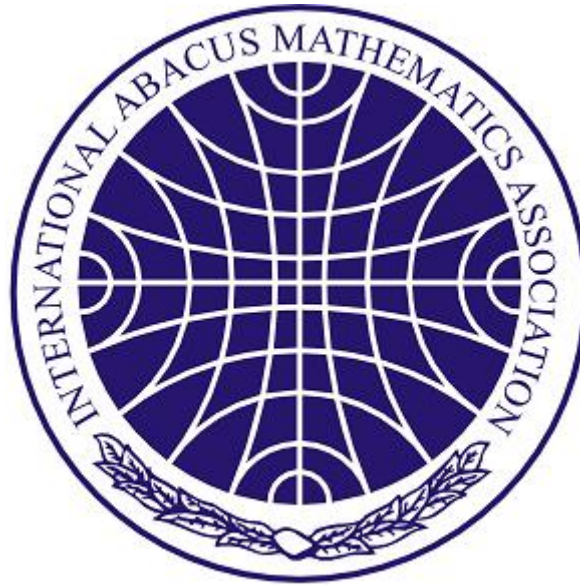


*The Hong Kong International
Mathematics and Mental Arithmetic Competition 2020*



Instruction Unit : Fung Kai No.1 Secondary School (Hong Kong)

IAMA Head Quarter

Organizing Unit : IAMA Hong Kong Branch

Assistance Unit : IAMA Every Branch

International Olympics Publisher

Competition Date : 1 August 2020 (Saturday)

Competition Venue : Fung Kai No.1 Secondary School

Competition Scheme

1. Objective

- (1) To encourage all children in the world to active in practicing mathematics and mental arithmetic.
- (2) To encourage children for developing their creative ability.
- (3) For cultural exchange in each member country.
- (4) To forming good relationship between all children from each country.
- (5) To promote all member country obtain happiness and healthy.

2. Instruction Unit : Fung Kai No.1 Secondary School (Hong Kong)

IAMA Head Quarter

3. Organizing Unit : IAMA Hong Kong Branch

4. Assistance Unit : IAMA Every Branch,

International Olympics Publisher

5. Registration Date: From now until 30 May 2020

(Exceeds the time limit even slightly does not accept.)

6. Registration Venue: IAMA Head quarter, every Branch and each Test Area

7. Competition Date: Saturday, 1 August 2020

8. Competition Venue : Fung Kai No.1 Secondary School (Auditorium)

No.17 Jockey Club Road, Sheung Shui, NT, Hong Kong

+852-26700366

www.fk1ss.edu.hk

9. Participative Qualifications

Each public or private preschools (Kindergarten), primary schools, secondary schools, and high schools students. (Include supplementary school and nursery)
(High school students only can participate Mental Arithmetic Competition)

10. Competition Category and Age

(1) Mathematics Competition

A. Individual

- a. Kindergarten: K2 and K3
- b. Primary School : Grade 1 to 6
- c. Secondary School : Grade 7 to 9

- B. Group: The participating unit from each Grade selected 3 students to be a team.
(Group competition score is computing by Individual competition score, so do not need join extra competition.)

(2) Mental Arithmetic Competition

A. Individual

- a. Kindergarten: K2 and K3
- b. Primary School : Grade 1 to 6
- c. High and Secondary School: All Grades are together to competition.

- B. Group: The participating unit from each Grade selected 3 students to be a team.

All grades competition age tables

Grade	Competition Age	
	Begin	End
Kindergarten 2 (K2)	2014/6	~
Kindergarten 3 (K3)	2013/6	2014/12
Primary 1 (P1) - Grade 1	2012/6	2013/12
Primary 2 (P2) - Grade 2	2011/6	2012/12
Primary 3 (P3) - Grade 3	2010/6	2011/12
Primary 4 (P4) - Grade 4	2009/6	2010/12
Primary 5 (P5) - Grade 5	2008/6	2009/12
Primary 6 (P6) - Grade 6	2007/6	2008/12
Secondary 1 (G7) - Grade 7	2006/6	2007/12
Secondary 2 (G8) - Grade 8	2005/6	2006/12
Secondary 3 (G9) - Grade 9	2004/6	2005/12
High School (Mental only)	1998/6	2004/12

Note: 1. Considering the slightly different age of enrollment in different countries. The benchmark is based on the three-month increase and decrease in the entry age for all grades in Taiwan. For example, the current school entrance age for Taiwan Primary 1 students is 2012/9/2~2013/9/1. Plus or minus three months is 2012/6 ~ 2013/12.

2. All grades allow participants to leapfrog level (upgrade) competition. But do not downgrade.

11. Competition items, Scope and Scoring Criteria, and Ranking Rules

(1) Mathematics Competition

A. First item (Set 1)

Grade	Topic Type	Question Type	Number of Questions (Questions)	Each Question (Marks)	Total Score (marks)	Time Allowed (minutes)
Kindergarten and Primary School	General Questions (2 papers)	Part 1. Multiple Choice	10	10	600	Total 15 minutes
		Part 2. Fill in the Blanks	10	10		
		Part 3. Calculations	10	10		
		Part 4. Applied Questions	10	10		
	Expert Level Math Challenge Questions (1 paper)	Part 1. Multiple Choice	5	10		
		Part 2. Fill in the Blanks	5	10		
		Part 3. Calculations	5	10		
		Part 4. Applied Questions	5	10		
Secondary School	Each grade (3 papers)	Multiple Choice	30	10	300	

B. Second item (Set 2) (same score supplementary competition)

Grade	Topic Type	Question Type	Number of Questions (Questions)	Each Question (Marks)	Total Score (marks)	Time Allowed (minutes)
Kindergarten and Primary School	Expert Level Math Challenge Questions (1 paper)	Part 1. Multiple Choice	5	10	200	Total 3 minutes
		Part 2. Fill in the Blanks	5	10		
		Part 3. Calculations	5	10		
		Part 4. Applied Questions	5	10		
Secondary School	Each grade (1 paper)	Multiple Choice	10	10	100	

(2) Mental Arithmetic Competition

Grade Item	Kindergarten 2 (K2)	Kindergarten 3 (K3)	Primary 1 (P1)	Primary 2 (P2)	Primary 3 and 4 (P3, P4)	Primary 5 and 6 (P5, P6)	High and Secondary School (G7 ~ G9, High)
Frist item (Set 1) 3 minutes	Class 12, 11, 10 ± Each 20 questions Total 60 questions Total Score 120 marks	Class 10, 9, 8 ± Each 20 questions Total 60 questions Total Score 120 marks	Class 9, 8, 7 ± Each 20 questions Total 60 questions Total Score 120 marks	Class 8, 7, 6 ± Each 20 questions Total 60 questions Total Score 120 marks	Class 4 (multiply)(2×1) 40 Class 4 (divide) (2,3÷1) 40 Class 4 ± 20 questions Total 100 questions Total Score 120 marks	Class 3 (multiply)(3×1) 40 Class 3 (divide) (3,4÷1) 40 Class 3 ± 20 questions Total 100 questions Total Score 120 marks	Class 2 (multiply)(2×2) 40 Class 2 (divide) (3,4÷2) 40 Class 2 ± 20 questions Total 100 questions Total Score 120 marks
Second item (Set 2) 1 minutes	10 Class ± Total 40 questions Total Score 80 marks	8 Class ± Total 40 questions Total Score 80 marks	7 Class ± Total 40 questions Total Score 80 marks	6 Class ± Total 40 questions Total Score 80 marks	5 Class ± Total 40 questions Total Score 80 marks	4 Class ± Total 40 questions Total Score 80 marks	3 Class ± Total 40 questions Total Score 80 marks

IAMA Mental Arithmetic Standard

Level	Addition and subtraction (±)	Multiply (×)	Divide (÷)
Class 2	2 or 3 digit 10 units(Decimal)	2 × 2	3, 4 ÷ 2
Class 3	2 digit 10 units	3 × 1	3, 4 ÷ 1
Class 4	2 digit 8 units	2 × 1	2, 3 ÷ 1
Class 5	2 digit 6 units, 2 digit 4 units and 1 digit 4 units		
Class 6	2 digit 3 units and 1 digit 2 units, 1 digit 8 units		
Class 7	1 digit 7 units		
Class 8	1 digit 6 units		
Class 9	1 digit 5 units		
Class 10	1 digit 4 units		
Class 11	1 digit 3 units		
Class 12	1 digit 3 units		

※ Math and Mental all test papers are B4 sizes.

(3) Scope and Scoring Criteria

A. Mathematics Competition

a. Scope

- (a) Kindergarten: According to the IAMA Test Standard question type proposition.
- (b) Primary School: According to the curriculum standard proposition issued by the Ministry of Education of Taiwan.
- (c) Secondary School: According to Taiwan's secondary school mathematics basic scholastic test model and scope.

b. Scoring Criteria

- (a) According IAMA Test Scoring Criteria.
- (b) The answer needs to be written in the spaces marked by the test question. Not written in the spaces is not to be scored.
- (c) The answer must be written in clear. Unclear or ambiguous is not to be scored.
- (d) If one question has more than two answers. Only all answers are correct will be scored. Partially correct is not to be scored.
- (e) The applied questions of primary school do not need to list the calculation process. But the questions have marked units. The answer also needs to write in the unit.

B. Mental Arithmetic Competition

- a. Scope: According to the IAMA Test Standards Proposition. The scope like as previous page showing

b. Scoring Criteria

- (a) The answer should be written in Arabic numerals.
- (b) The answer must be written in clear. unclear or ambiguous null is invalid.
- (c) Whatever the answer is correct or not. answer a question there are two or more are invalid.
- (d) Where the integer part of the answer, if three or more, regardless of the denominator-number or abstract-number, each accompanied by three point ".", attached to the wrong place, or lack the three points are invalid.
- (e) The answer is pure decimal point must be attached to the left bit "0" character,

otherwise is invalid.

(Example) The answer 0.123, written as .123 is invalid.

(f) Decimal point "." and three-point "," must separately clear, otherwise it is invalid.

(Example) The answer 1,234.56, written as 1.234,56 or 1,234,56 are invalid.

(g) The answer can not be attached to the end of loci ".", Otherwise it is invalid.

(Example) The answer 13.67, written as 13.67 .. is invalid.

(h) The answer for the abstract-number of pure decimal or decimal. If decimal part was zero, regardless of whether there is round off. can't write zero. Otherwise it is invalid.

(Example) Abstract-number can't written as 13.00

(i) The answer for the denominate-number. The decimal part regardless of whether there is round off. must write zero. Otherwise it is invalid.

(Example 1) The answer \$2.50, written as \$2.5 is invalid.

(Example 2) The answer \$1,234.00, written as \$1,234 or \$1,234- are invalid.

(Example 3) The answer \$1,234.00, written as \$1,234.- is valid.

(j) Draw a horizontal line in the answer below is invalid . (Example) \$1.23 or 1.2345

(k) If the answer is written mistaken. Two horizontal line must be drawn after the cancellation of all of the digital. Rewrite the answer. Any of the following circumstances is invalid.

※ Fixed the answer only drawn a part. (Example) ~~1,234.56~~ or ~~1,234.56~~

※ Altered or overwritten.

※ Does not eliminate the use of rubber eraser clean, can not tell when clear.

(l) Write the answers unrelated characters or symbols in the papers. It is invalid.

(4) Ranking Rules

Mathematics and Mental Arithmetic Competition each play two items. The second item (Set 2) is same score supplementary competition. The ranking rules as

a. Individual

(a) Ranking by the first-item (Set 1) score.

(b) When the score is same, ranking by the second-item (Set 2) score.

(c) If still is same , ranking by date of birth(DOB).

(d) If DOB still is same, draw lots to decide ranked.

b. Group

(a) Ranking by the first-item (Set 1) score. (3 students total scores)

(b) When the score is same, ranking by the second-item (Set 2) score.
(3 students total scores)

(c) If still is same, draw lots to decide ranked.

12. Registration Form

(1) Registration procedure

- A. Only accept registration from each unit. Mathematics and Mental Arithmetic written in the registration form separately.(Annex I) and stamp the seal of the participating units; Participants in the Group Competition should indicate this on the registration form.
- B. Completes the registration form, please by e-mail or mail
Hong Kong: linhsiuhong@yahoo.com.hk or mail

Taiwan: power.cat@msa.hinet.net or mail I.A.M.A 886-2-23211309
No.8, Ln. 3, Tai'an St., JhongJheng Dist., Taipei City 10054, Taiwan

- C. Individual participants are not allowed to register separately. Please register in IAMA Test Area or participating units. For details, please contact the IAMA Secretariat (Tel. same as above)

(2) Registration Fee (Participate in the Group Competition at no extra charge)

A. Hong Kong participating units

Mathematics and Mental Arithmetic Competition each HK 250

Account Name : -----

Account Number : -----

B. Taiwan participating units

Mathematics and Mental Arithmetic Competition each NT 1000

Please by "Taiwan Postal Transfer" to

Account Name : 國際珠算聯合會中華民國分會

Account Number : 01094388

C. Each country participating units (Except Taiwan and Hong Kong)

Mathematics and Mental Arithmetic Competition each US 33

Please pay to the IAMA Branch of Taiwan or tele-transfer to

Tele-Transfer Instruction:

Beneficiary Bank :

The Hongkong and Shanghai Banking Corporation Limited Panchiao Branch

SWIFT Code :HSBCTWTP

Bank Address :

No.285, Sec. 2, Wunhua Rd., Banciao Dist., New Taipei City 22046, Taiwan

Beneficiary A/C Name :

CHANG CHING LIANG (張欽梁)

Beneficiary A/C No. :

006-029565-388 (TWD)

006-029565-821 (USD)

13. Reward and Trophies and Certificate Statistics:

- (1) Trophies and Certificate Statistics as Annex II.
- (2) 1st, 2nd and 3rd Place the reward is Trophies and Certificate.
- (3) 4th Place the reward is Certificate.

14. Attention Item

- (1) Before the competition a week sends the participative contestant" the participation card", "the seat table", "the examination place site plan" the correlation data. The certificate ends approximately in ten days after the competition to send each participating units.
- (2) The contestant participates depending on the participation card and receives the awarding cup, please properly takes care, in order to avoid loses the qualifications, the awarding cup limits the same day to receive, after the competition even slightly does not reissue.
- (3) Each group of participants like have reduce the grade participation or assuming a false identity, after looks up is true, does not give the scoring besides this student, it receives the awarding cup, generally gives takes back.
- (4) Before the competition has not started, don't touch the test paper, both hands should put on the knee.
- (5) "After stops" the password issuing, should the stop calculation, lay down the pencil immediately, the turn over test paper puts both hands on the double knee, awaits calmly monitors an exam teacher to take back the test paper.
- (6) Each competition " start" and "stops", entirely depends on password of the this competition director primarily.
- (7) Violates (4), one of (5) two items, this test by zero score.
- (8) In mathematics and mental arithmetic competition, don't use any calculates the appliance.
- (9) Fills in answer should defer to " Scoring Criteria" the stipulation.
- (10) If you want to check the test paper. Please after same day result announcement, go to the scoring team. Mathematics and mental arithmetic competition reexamination fee each NT 200 (HK 50, US 7). Like has the mistake, IAMA will reissues trophy, certificate and returns the reexamination fee.
- (11) If has any question for competition. Inquired by the Team Leader before the competition to the IAMA Secretariat.
- (12) If will have the not completely matters concerned place, separate will inform each participating units.

15. This implementation main point, after submits a report check implements, the revision also with.

16. End of the Competition 2020, See you next time.



2020年香港國際數學心算競賽報名表

The HongKong International
Mathematics and Mental Arithmetic Competition 2020

數學競賽 Mathematics Competition		國別 Nationality				
參賽單位 Unit		Tel. :			Add. :	
領隊 Leader		Tel. :			Add. :	
教練 Coach		Tel. :			Add. :	
編號 No.	選手姓名 Name	國別或縣市別 Countries or Cities	出生日期 D.O.B	校別 / 年級 School/Grade	團體組 Group	備註 Note
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註：請備妥一吋半身照片，俟本會寄回參加證時，自行黏貼於參加證。

Note: Please stick the photo to the participation card.



2020年香港國際數學心算競賽報名表

The HongKong International
Mathematics and Mental Arithmetic Competition 2020

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Note: Please stick the photo to the participation card. 10

1. Mathematics Competition

Individual Grade	1St Place (people)	2nd Place (%)	3rd Place (%)	4th Place (%)	Note
Kindergarten 2 (K2)	1	Each 20%	Each 30%	others	1. 1st ~ 3rd Place send trophies and Certificate. 2. 4th Place send Certificate.
Kindergarten 3 (K3)	1				
Primary 1 (P1)	1				
Primary 2 (P2)	1				
Primary 3 (P3)	1				
Primary 4 (P4)	1				
Primary 5 (P5)	1				
Primary 6 (P6)	1				
Grade 7 (G7)	1				
Grade 8 (G8)	1				
Grade 9 (G9)	1				

Groups Grade	1St Place (Team)	2nd Place (%)	3rd Place (%)	4th Place (%)	Note
Kindergarten 2 (K2)	1	Each 10%	Each 30%	others	1. 1st ~ 3rd Place send trophies and Certificate. 2. 4th Place send Certificate.
Kindergarten 3 (K3)	1				
Primary 1 (P1)	1				
Primary 2 (P2)	1				
Primary 3 (P3)	1				
Primary 4 (P4)	1				
Primary 5 (P5)	1				
Primary 6 (P6)	1				
Grade 7 (G7)	1				
Grade 8 (G8)	1				
Grade 9 (G9)	1				

2. Mental Arithmetic Competition (1)Individual

Individual Grade	1St Place (people)	2nd Place (%)	3rd Place (%)	4th Place (%)	Note
Kindergarten 2 (K2)	1	各20%	各30%	others	1. 1st ~ 3rd Place send trophies and Certificate. 2. 4th Place send Certificate.
Kindergarten 3 (K3)	1				
Primary 1 (P1)	1				
Primary 2 (P2)	1				
Primary 3 (P3)	1				
Primary 4 (P4)	1				
Primary 5 (P5)	1				
Primary 6 (P6)	1				
High and Secondary	1				

Groups Grade	1St Place (Team)	2nd Place (%)	3rd Place (%)	4th Place (%)	Note
Kindergarten 2 (K2)	1	各10%	各30%	others	1. 1st ~ 3rd Place send trophies and Certificate. 2. 4th Place send Certificate.
Kindergarten 3 (K3)	1				
Primary 1 (P1)	1				
Primary 2 (P2)	1				
Primary 3 (P3)	1				
Primary 4 (P4)	1				
Primary 5 (P5)	1				
Primary 6 (P6)	1				
High and Secondary	1				