

2011 World City Cup

Abacus, Mental Arithmetic & Mathematics Competition

Objective:

For the continuation of the fine traditional Chinese culture, promote the three operators (Abacus, mental arithmetic, and mathematics) all-round education, improve their teaching and promoting young children's friendship, and develop an international perspective, expand cultural exchanges between the world's cities. We hope to achieve the following:

- ❖ Cultivate to an audience of all ages the fundamental aspects of mental math.
- ❖ Demonstrate the benefits with the skills acquired from mental math.
- ❖ Promote the teaching standards shared across the network of mental math teachers.
- ❖ Develop world civic culture exchange.

Date: July 23 to July 25, 2011

Locations: Genting International Convention Centre (GICC), First World Hotel
69000 Genting Highlands, Pahang, Malaysia

Sponsor: Malaysia AMA Abacus Association

Registration Date: Now until May 31, 2011 only.

Fill in entry form: Entry form according to the General Assembly,
E-mail message format.

Competition and Event entry fee:

See 2011 application form for all international events.

Competition area:

1. A District Representative: Taiwan, China, Japan, Korea, Malaysia and other regional cities.
2. B district representatives: USA, Hong Kong, Macau, Singapore, India, Canada and other regional cities.

Contest and extent: See attachment - supplement.

Grading:

Individual entries of the abacus, mental arithmetic and mathematics scores of high and low total score of the three positions will be determined.

If the scores are identical to contest the higher minimum score three projects as a priority, the lowest score is still the same, each applicant, if the project results are identical, then the ranking will be decided by drawing lots.

Awards: (Each participating unit volume according to each grade A players score giving priority to the following awards)

Grand Champion: A District B District each year group, depending on personal abacus, mental arithmetic and mathematics were admitted a total score of the championship for the year group.

Gold Medal: the cities of the year group team competition based on volumes A, B admitted 30% of the total number of volumes for the year group gold medal.

Silver Award: The total enrollment of each grade group and gold medal winner, the other players are listed as Silver Award.

Grading Criteria:

Please follow the rules when answering your questions. No score is given for any violation of these rules:

Abacus and Mental Arithmetic:

- a. Write your answers with Arabic numbers clearly. Unclear or ambiguous writing is counted as invalid.
- b. No matter whether the answer is correct or not, a question with two or more answers is void.
- c. Use a “comma (,)” to separate every third digit in a whole number which has 3 or more digits. Example: 5,384,200
- d. Write two “zeros” or a “dash (-)” (also called hyphen or minus) after the “decimal point (.)” if it is a “monetary (\$)” question. Examples: \$4,832.00 or \$4,832.—
- e. Draw “double lines” to cross out entire numbers if you discover a mistake. Then write the correct answer under, or next to it. DO NOT USE an eraser or correction fluid to cover the wrong answer or to make a partial correction. **Examples: ~~\$34.78~~ \$34.79 (valid); ~~\$34.78~~ \$34.79 (invalid)**
- f. Answers must be written on the assigned space or answer sheet.
- g. For the Multiplication and Division of the Abacus in Group A, the \$ Monetary calculations round to the second place after the decimal point; the Non- \$ Monetary calculations round to the fifth place after the decimal point.

Mathematics:

- a. Write your answers on the assigned space on the answer sheet. No score is given for violating this rule, nor will scores be given for answers given on scratch paper.
- b. Besides the answer sheet, a blank piece of paper will be provided for use as scratch paper.
- c. If a question has two answers, then no score will be given.
- d. You may use the abacus as a calculating tool. Calculators are not allowed.

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(Appendix A: Contents of Group, Event, and Degree)

Group	Item		Contents of Degree	# of Questions	Score	Time Limits	
A	I Mental Arithmetic	Multiplication	Questions for 4-, 5-, 6- and 7-digit whole numbers Examples: (25 questions for each) $2 \text{ digits} \times 2 \text{ digits} =$, $3 \text{ digits} \times 2 \text{ digits} =$, $3 \text{ digits} \times 3 \text{ digits} =$, $4 \text{ digits} \times 3 \text{ digits} =$	100	100	3 minutes	
		Division	Questions for 4-, 5-, 6- and 7-digit whole numbers Examples: (25 questions for each) $4 \text{ digits} \div 2 \text{ digits} = 2 \text{ digits}$, $5 \text{ digits} \div 3 \text{ digits} = 2 \text{ digits}$, $6 \text{ digits} \div 3 \text{ digits} = 3 \text{ digits}$, $7 \text{ digits} \div 4 \text{ digits} = 3 \text{ digits}$	100	100	3 minutes	
		Addition & Subtraction	\$ Monetary questions for ten 3-digit numbers, ten 3- and 4-digit numbers, ten 4-digit numbers, ten 4- and 5-digit numbers, and ten 6-digit numbers (10 questions for each)	50	100	3 minutes	
	II Abacus	Multiplication	Questions for 6- and 7-digit whole numbers; \$ Monetary, non-monetary and mixed decimal questions for 8- and 9-digits numbers Examples: (5 questions for each) $3 \text{ digits} \times 3 \text{ digits} =$, $3 \text{ digits} \times 4 \text{ digits} =$ (Whole number questions) $4 \text{ digits} \times 4 \text{ digits} =$, $4 \text{ digits} \times 5 \text{ digits} =$ (\$ Monetary, non-monetary and mixed decimal questions)	20	100	6 minutes	
		Division	Questions for 5- and 6-digit whole numbers \$ Monetary, non-monetary and mixed decimal questions for 7-, 8- and 9-digits numbers Examples: (5 questions for each) $5 \text{ digits} \div 2 \text{ digits} = 3 \text{ digits}$, $6 \text{ digits} \div 3 \text{ digits} = 3 \text{ digits}$, $7 \text{ digits} \div 3 \text{ digits} = 4 \text{ digits}$, $8 \text{ digits} \div 3 \text{ digits} = 5 \text{ digits}$	20	100		
		Addition & Subtraction	\$ Monetary questions for ten 6- and 7-digit mixed decimal; \$ Monetary questions for ten 7- and 8-digit mixed decimal (5 questions for each)	10	100		
	III Mathematics	Multiple Choice	The questions for each grade rest on the standards which the contestants learned in various cities.	15	150	15 minutes	
		Fill Blanks		15	150		
	B	I Mental Arithmetic	Multiplication	$2 \text{ digits} \times 1 \text{ digit} =$, $3 \text{ digits} \times 1 \text{ digit} =$ Whole numbers questions (25 questions for each)	50	100	3 minutes
			Division	$3 \text{ digits} \div 1 \text{ digit} = 2 \text{ digits}$, $4 \text{ digits} \div 1 \text{ digit} = 3 \text{ digits}$ Whole numbers questions (25 questions for each)	50	100	3 minutes
Addition & Subtraction			Five 2-digit numbers (20 questions), six 2-digit numbers (10 questions) Seven 2-digit numbers (10 questions), eight 2-digit numbers (10 questions)	50	100	3 minutes	
II Abacus		Multiplication	Questions for 4-, 5-, 6- and 7-digit whole numbers Examples: (5 questions for each) $2 \text{ digits} \times 2 \text{ digits} =$, $2 \text{ digits} \times 3 \text{ digits} =$, $3 \text{ digits} \times 3 \text{ digits} =$, $4 \text{ digits} \times 3 \text{ digits} =$, Whole number questions	20	100	6 minutes	
		Division	Questions for 4-, 5-, and 6-digit whole numbers Examples: $4 \text{ digits} \div 2 \text{ digits} = 2 \text{ digits}$ (10 questions) $5 \text{ digits} \div 2 \text{ digits} = 3 \text{ digits}$ & $5 \text{ digits} \div 3 \text{ digits} = 3 \text{ digits}$ (5 questions) $6 \text{ digits} \div 3 \text{ digits} = 3 \text{ digits}$ & $6 \text{ digits} \div 4 \text{ digits} = 2 \text{ digits}$ (5 questions)	20	100		
		Addition & Subtraction	\$ Monetary questions for ten 2-4 digits mixed decimals (5 questions) \$ Monetary questions for ten 3- and 4-digit mixed decimals (5 questions)	10	100		
III Mathematics		Multiple Choice	The questions for each grade rest on the standards which the contestants learned in various cities.	15	150	15 minutes	
		Fill Blanks		15	150		