

# Testing Rules of the CAAA Annual Abacus & Mental Arithmetic Assessment Test

## **Online Test**

- 1. **Objective:** This event aims to promote the Chinese cultural tradition of Abacus and Mental Arithmetic in relation to enhance students' focus and response capabilities; to develop their full potential; and to improve their computation and application skills.
- 2. Qualification: Students who have attended abacus and mental math classes.
- 3. Date: June 27, 2021.
- 4. Categories: Abacus and Mental Arithmetic
- 5. Levels: Grade Levels: 2-10 (Advanced Level and Grade Level 1 tests are not available online.)
- 6. Awards: Certificates are awarded to those who pass the exams.
- 7. Assessment Tests and Standards: See Appendices A and B.

**Appendix A (Mental Arithmetic):** 

Level	Category	Test Question Standard	# of Questions	Time Limit
Advanced Level	Multiplication	60 questions of 5-digit whole numbers (3 digits x 2 digits, 2 digits x 3 digits), 40 questions of 6-digit whole numbers (3 digits x 3 digits, 2 digits x 4 digits, 4 digits x 2 digits), 20 questions of 7-digit whole numbers (3 digits x 4 digits, 4 digits x 3 digits, 3 digits x 5 digits, 4 digits x 4 digits)	120	5 minutes
	Division	60 questions of 5-digit whole numbers (5 digits / 2 digits, 5 digits / 3 digits), 40 questions of 6-digit whole numbers (6 digits / 2 digits, 6 digits / 3 digits, 6 digits / 4 digits), 20 questions of 7-digit whole numbers (7 digits / 3 digits, 7 digits / 4 digits, 8 digits / 3 digits, 8 digits / 4 digits)	120	5 minutes
	Addition & Subtraction	25 Monetary questions for ten 3 to 6-digit numbers (total 50 digits), 5 Monetary questions for fifteen 3 to 6-digit numbers (total 60 digits)	30	5 minutes
Grade Level 1	Multiplication	20 questions of 5-digit whole numbers (3 digits x 2 digits, 2 digits x 3 digits), 10 questions of 4-digit whole numbers (2 digits x 2 digits)	30	5 minutes
	Division	20 questions of 5-digit whole numbers (4 digits / 2 digits, 5 digits / 2 digits, 5 digits / 3 digits), 10 questions of 3-digit and 4-digit whole numbers (3 digits / 2 digits, 4 digits / 2 digits)	30	5 minutes
	Addition & Subtraction	10 whole number questions for ten 2 to 4-digit numbers (total 35 digits), 5 whole number questions for ten 2-digit numbers. (total 20 digits)	15	5 minutes
	Multiplication	4-digit whole number questions of 2 digits x 2 digits	30	5 minutes
Grade	Division	3-digit and 4-digit whole numbers (20 questions of 4 digits / 2 digits, 10 questions of 3 digits / 2 digits)	30	5 minutes
Level 2	Addition & Subtraction	Whole number questions for ten 2-digit numbers (total 20 digits)	15	5 minutes
	Multiplication	4-digit whole numbers (10 questions of 3 digits x 1 digit, 20 questions of 2 digits x 2 digits)	30	5 minutes
Grade Level 3	Division	4-digit whole numbers (20 questions of 4 digits / 1 digit, 10 questions of 3 digits / 1 digit)	30	5 minutes
	Addition & Subtraction	Whole number questions of seven 2-digit numbers (total 14 digits)	15	5 minutes
Grade Level 4	Multiplication	4-digit whole number (30 questions of 3 digits x 1 digit)	30	5 minutes
	Division	3-digit whole numbers (20 questions of 3 digits /1 digit, 10 questions of 2 digits / 1 digit)	30	5 minutes
	Addition & Subtraction	Whole number questions of six 2-digit numbers (total 12 digits)	15	5 minutes

Rev. 5-2021 1 | P a g e

Level 5   Addition & Subtraction (1)   Addition & Subtraction (2)   Addition & Subtraction (2)   Addition & Subtraction (2)   Addition & Subtraction (1)   Addition & Subtraction (2)   Addition & Subtraction (2)   Addition & Subtraction (2)   Addition & Subtraction (3)   Addition & Subtraction (2)   Addition & Subtraction (3)   Addition & Subtraction (3)   Addition & Subtraction (3)   Addition & Subtraction (2)   Addition & Subtraction (3)   Addition & Subtraction (3)   Addition & Subtraction (2)   Addition & Subtraction (3)   Addition & Subtraction (3)   Addition & Subtraction (4)   Addition & Subtraction (5)   Addition & Subtraction (6)   Addition & Subtraction (7)   Addi	Grade Level 5	Multiplication	3 and 4-digit whole numbers (20 questions of 2 digits x 1 digit, 10 questions of 3 digits x 1 digit)	30	5 minutes
Subtraction (2) digits 1				15	5 minutes
Grade Level 6  Subtraction (1)  Addition & Subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (3)  Addition & Subtraction (1)  Grade Level 7  Addition & Subtraction (2)  Addition & Subtraction (1)  Grade Level 8  Addition & Subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (1)  Addition & Subtraction (2)  Addition & Subtraction (2)  Addition & Subtraction (2)  Addition & Subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (2)  Addition & Subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (4)  Addition & Subtraction (6)  Addition & Subtraction (7)  Addition & Subtraction (8)  Addition & Subtraction (9)  Addition & Subtraction (1)  Addition & Subtraction (1)  Addition & Subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (6)  Addition & Subtraction (7)  Addition & Subtraction (7)  Addition & Subtraction (8)  Addition & Subtraction (9)  Addition & Subtraction (				15	5 minutes
Level 6 Subtraction (2) digits)  Addition & Subtraction (3) Whole number questions of four 2-digit numbers (total 8 digits)  Addition & Subtraction (1) digit, 1 1-digit numbers), total 7 digits numbers (3 2-digit numbers) (3 2-digit, 1 1-digit numbers), total 7 digits  Addition & Subtraction (2) Addition & Whole number questions of four 1 and 2-digit numbers (3 2-digit, 1 1-digit numbers), total 7 digits  Addition & Whole number questions of four 1 and 2-digit numbers (3 2-digit, 1 1-digit numbers), total 7 digits  Addition & Subtraction (1) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (2) Addition & Whole number questions of four 1 and 2-digit numbers (2 2-digit, 2 1-digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (3) Whole number questions of four 1 and 2-digit numbers (2 2-digit, 2 1-digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (3) Whole number questions of four 1 and 2-digit numbers (2 2-digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (2) Addition & Whole number questions of five 1-digit numbers, total 5 digits  Addition & Subtraction (2) Addition & Whole number questions of five 1-digit numbers, total 5 digits  Addition & Subtraction (2) Addition & Subtraction (3) Subtraction (4) Subtraction (5) Subtraction (6) Subtraction (7) Subtraction (7) Subtraction (8) Whole number questions of four 1-digit numbers, total 5 Subtraction (8) Subtraction (9) Subtraction (1) Subtraction (1) Subtraction (1) Subtraction (1) Subtraction (2) Subtraction (1) Subtraction (2) Subtraction (1) Subtraction (1) Subtraction (2) Subtraction (2) Subtraction (2) Subtraction (2) Subtraction (3) Subtraction (4) Subtraction (5) Subtraction (6) Subtraction (7) Subtraction (7) Subtraction (7) Subtraction (8) Subtraction (8) Subtraction (9) Subtraction (10) Subtracti				15	5 minutes
Subtraction (3) digits)  Addition & Subtraction (1) Whole number questions of four 1 and 2-digit numbers (3 2-digit, 11-digit numbers), total 7 digits  Addition & Subtraction (2) Addition & Subtraction (2) Addition & Subtraction (3) digit, 11-digit numbers), total 7 digits  Addition & Subtraction (3) digit, 11-digit numbers), total 7 digits  Addition & Subtraction (3) digit, 11-digit numbers), total 7 digits  Addition & Subtraction (3) digit, 11-digit numbers), total 7 digits  Addition & Subtraction (1) digit, 11-digit numbers), total 7 digits  Addition & Subtraction (1) digit, 21-digit numbers), total 6 digits  Addition & Subtraction (2) digit, 21-digit numbers), total 6 digits  Addition & Subtraction (3) digit, 21-digit numbers), total 6 digits  Addition & Subtraction (3) digit, 21-digit numbers), total 6 digits  Addition & Subtraction (3) digits  Addition & Subtraction (2) digit, 21-digit numbers (22-digit numbers), total 6 digits  Addition & Subtraction (3) digits  Addition & Subtraction (2) digits  Addition & Subtraction (3) digits  Addition & Subtraction (1) digits  Addition & Subtraction (1) digits  Addition & Subtraction (2) digits  Addition & Subtraction (1) digits  Addition & Subtraction (2) digits  Addition & Subtraction (2) digits  Addition & Subtraction (2) digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Subtraction (2) digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Subtraction (2) digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole				15	5 minutes
Subtraction (1) digit, 1 1-digit numbers), total 7 digits  Addition & Subtraction (2) digit, 1 1-digit numbers of four 1 and 2-digit numbers (3 2-digit, 1 1-digit numbers), total 7 digits  Addition & Subtraction (3) digit, 1 1-digit numbers, total 7 digits  Addition & Subtraction (3) digit, 1 1-digit numbers, total 7 digits  Addition & Subtraction (1) digit, 2 1-digit numbers, total 7 digits  Addition & Subtraction (1) digit, 2 1-digit numbers, total 6 digits  Addition & Subtraction (2) digit, 2 1-digit numbers, total 6 digits  Addition & Subtraction (2) digit, 2 1-digit numbers, total 6 digits  Addition & Subtraction (3) digit, 2 1-digit numbers, total 6 digits  Addition & Subtraction (3) digit, 2 1-digit numbers, total 6 digits  Addition & Subtraction (2) digit, 2 1-digit numbers, total 6 digits  Addition & Subtraction (1) digits  Addition & Subtraction (2) digit, 2 1-digit numbers, total 5 digits  Addition & Subtraction (2) digits  Addition & Subtraction (2) digits  Addition & Subtraction (3) digits  Addition & Subtraction (2) digits  Addition & Subtraction (3) digits  Addition & Subtraction (3) digits  Addition & Whole number questions of five 1-digit numbers, total 5 digits  To minutes  Addition & Subtraction (1) digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits		Subtraction (3)		15	5 minutes
Level 7   Subtraction (2)   digit, 11-digit numbers), total 7 digits   15   5 minutes				15	5 minutes
Subtraction (3) digit, 1 1-digit numbers), total 7 digits  Addition & Subtraction (1) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (2) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (2) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (2) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (3) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (3) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (1) digits  Addition & Subtraction (1) digits  Addition & Subtraction (2) digits  Addition & Subtraction (2) digits  Addition & Subtraction (3) digits  Addition & Subtraction (1) digits  Addition & Subtraction (1) digits  Addition & Subtraction (1) digits  Addition & Subtraction (2) digits  Addition & Subtraction (2) digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Subtraction (2) digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Whole number questions of four 1-digit numbers, total 4 digits			Whole number questions of four 1 and 2-digit numbers (3 2-digit, 1 1-digit numbers), total 7 digits	15	5 minutes
Subtraction (1) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (2) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (2) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (3) Whole number questions of four 1 and 2-digit numbers (2 2-digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (3) Whole number questions of five 1-digit numbers, total 5 digits  Addition & Subtraction (2) Whole number questions of five 1-digit numbers, total 5 digits  Addition & Subtraction (2) Whole number questions of five 1-digit numbers, total 5 digits  Addition & Subtraction (3) Whole number questions of five 1-digit numbers, total 5 digits  Addition & Subtraction (3) Whole number questions of four 1-digit numbers, total 4 digits  Grade Level 10 Addition & Subtraction (2) Whole number questions of four 1-digit numbers, total 4 digits  Whole number questions of four 1-digit numbers, total 4 digits  Whole number questions of four 1-digit numbers, total 4 digits  Whole number questions of four 1-digit numbers, total 4 digits  Whole number questions of four 1-digit numbers, total 4 digits  S minutes  Subtraction (2) Whole number questions of four 1-digit numbers, total 4 digits  Mole number questions of four 1-digit numbers, total 4 digits  S minutes				15	5 minutes
Level 8 Subtraction (2) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (3) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (3) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (1) digits  Grade Level 9 Addition & Subtraction (2) Addition & Subtraction (3)  Addition & Subtraction (1)  Addition & Subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (1)  Addition & Subtraction (2)  Addition & Subtraction (2)  Addition & Subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Grade Level 10  Addition & Whole number questions of four 1-digit numbers, total 4 digits  To minutes  To minutes  To minutes  To minutes  To minutes				15	5 minutes
Subtraction (3) digit, 2 1-digit numbers), total 6 digits  Addition & Subtraction (1) digits  Grade Level 9  Addition & Subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (3)  Addition & Subtraction (3)  Addition & Subtraction (3)  Addition & Subtraction (1)  Addition & Subtraction (2)  Addition & Subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (4)  Addition & Subtraction (5)  Addition & Subtraction (6)  Addition & Subtraction (7)  Addition & Subtraction (8)  Addition & Subtraction (9)  Addition & Subtraction				15	5 minutes
Grade Level 9  Grade Level 9  Addition & Subtraction (2)  Addition & Subtraction (3)  Grade Level 10  Grade Level 10  Addition & Subtraction (1)  Grade Level 10  Addition & Subtraction (2)  Addition & Subtraction (3)  Addition & Whole number questions of five 1-digit numbers, total 5 digits  Whole number questions of four 1-digit numbers, total 4 digits  The subtraction (1)  Addition & Subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Addition & Subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2)  Addition & Subtraction (3)  Addition & Subtraction (4)  Addition & Subtraction (5)  Addition & Subtraction (6)  Addition & Subtraction (7)  Addition & Subtraction (8)  Addition & Subtraction (9)  Addition & Subtraction (9				15	5 minutes
Level 9  Subtraction (2) digits  Addition & Whole number questions of five 1-digit numbers, total 5 subtraction (3)  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Grade Level 10  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Whole number questions of four 1-digit numbers, total 4 subtraction (2) digits  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2) digits  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2) digits  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2) digits  Addition & Whole number questions of four 1-digit numbers, total 4 subtraction (2) digits			1 0	15	5 minutes
Subtraction (3) digits  Addition & Subtraction (1)  Grade Level 10  Addition & Whole number questions of four 1-digit numbers, total 4 digits  Whole number questions of four 1-digit numbers, total 4 digits  Whole number questions of four 1-digit numbers, total 4 digits  To minutes  Subtraction (2)  Addition & Whole number questions of four 1-digit  Addition & Whole number questions of four 1-digit  To minutes				15	5 minutes
Grade Level 10  Subtraction (1) digits  Addition & Whole number questions of four 1-digit numbers, total 4 Subtraction (2) digits  Subtraction (2) Addition & Whole number questions of four 1-digit  Addition & Whole number questions of four 1-digit  5 minutes				15	5 minutes
Level 10 Subtraction (2) digits 15 5 minutes  Addition & Whole number questions of four 1-digit 15 5 minutes				15	5 minutes
l l l minutac				15	5 minutes
Subtraction (3)   numbers, total 4 digits   10   11   12   13   15   15   15   15   15   15   15		Addition & Subtraction (3)	Whole number questions of four 1-digit numbers, total 4 digits	15	5 minutes

### Scoring and Passing Requirements for Mental Arithmetic Test:

A. Scoring: Advanced Levels: Multiplication and Division questions are 5 points each,

Addition & Subtraction questions are 20 points each.

Grade Levels: Multiplication and Division questions are 5 points each,

Addition & Subtraction questions are 10 points each.

#### B. Passing Requirements:

There are three categories in the test:

- a) Grade level students need at least 80 points in any category, and
  - i.  $2^{nd}$  order grade to  $10^{th}$  order grade level students must achieve a total score of 330.
  - ii. 1st –order grade level students must achieve a total score of 300.
- b) Advanced level students need at least 140 Points in any category and must meet the total score requirement listed below:

Advanced Level 1: 420 Advanced Level 5: 700 Advanced Level 9: 1200 Advanced Level 2: 480 Advanced Level 6: 800 Advanced Level 10: 1400 Advanced Level 3: 540 Advanced Level 7: 900 Advanced Level 10-Elite: 1600

Advanced Level 4: 620 Advanced Level 8: 1000

Rev. 5-2021 2 | P a g e

Appendix B (Abacus):

Level	Category	Test Question Standard	# of Questions	Time Limit
Advanced Level	Multiplication	5 questions each of 9-digit, 10-digit, 11-digit numbers which include whole, monetary, non-monetary, and mixed decimal numbers	15	20 minutes
	Division	5 questions each of 8-digit, 9-digit, 10-digit numbers which include whole, monetary, non-monetary, and mixed decimal numbers	15	
	Addition & Subtraction	5 questions each of ten 8-digit, 9-digit, 10-digit monetary numbers *10-Elite: extra 10 problems test	15/30	
	Multiplication	Questions of 8-digit whole, monetary, non-monetary, and mixed decimal numbers	10	20 minutes
Grade Level 1	Division	Questions of 7-digit whole, monetary, non-monetary, and mixed decimal numbers	10	
	Addition & Subtraction	Monetary number questions of ten 4 to 7-digit numbers	10	
	Multiplication	Questions of 7-digit whole, monetary, non- monetary, and mixed decimal numbers	10	20 minutes
Grade Level 2	Division	Questions of 6-digit whole, monetary, non-monetary, and mixed decimal numbers	10	
Level 2	Addition & Subtraction	Monetary number questions of ten 3 to 6-digit numbers	10	
	Multiplication	Non-monetary number questions of 7-digit, whole numbers (5 questions of 3 digits x 4 digits, 5 questions of 4 digits x 3 digits)	10	20 minutes
Grade Level 3	Division	Non-monetary questions of 6-digit, whole numbers (5 questions of 6 digits / 3 digits, 5 questions of 6 digits / 4 digits)	10	
	Addition & Subtraction	Monetary number questions of ten 3 to 5-digit numbers	10	
Grade Level 4	Multiplication	Non-monetary number questions of 6-digit, whole numbers (5 questions of 2 digits x 4 digits, 5 questions of 3 digits x 3 digits)	10	20 minutes
	Division	Non-monetary number questions of 5-digit, whole numbers (5 questions of 4 digits / 2 digits, 5 questions of 5 digits / 2 digits or 5 digits / 3 digits)	10	
	Addition & Subtraction	Monetary number questions of ten 3 to 4-digit numbers	10	
	Multiplication	Non-monetary number questions of 4-digit, whole numbers (5 questions of 1 digit x 3 digits, 5 questions of 2 digits x 2 digits)	10	20 minutes
Grade Level 5	Division	Non-monetary number questions of 4-digit, whole numbers (5 questions of 3 digits / 1 digit, 5 questions of 4 digits / 1 digit)	10	
	Addition & Subtraction	Non-monetary number questions of ten 2 to 3-digit numbers	10	
Grade Level 6	Addition & Subtraction	Non-monetary number questions of eight 3-digit numbers	20	20 minutes
Grade Level 7	Addition & Subtraction	Non-monetary number questions of ten 2-digit numbers	20	20 minutes
Grade Level 8	Addition & Subtraction	Non-monetary number questions of eight 2-digit numbers	20	20 minutes
Grade Level 9	Addition & Subtraction	Non-monetary number questions of 1 to 2-digit numbers (10 questions of ten 1-digit numbers, 10 questions of six 2-digits numbers)	20	20 minutes
Grade Level 10	Addition & Subtraction	Non-monetary number questions of 1 to 2-digit numbers (10 questions of eight 1-digit numbers, 10 questions of four 2-digits numbers)	20	20 minutes

## **Scoring and Passing Requirement for Abacus Test:**

A. Scoring: Advanced Levels: Multiplication and Division questions are 10 points each,

Addition & Subtraction questions are 20 points each.

Grade Levels 1-5: Multiplication and Division questions are 5 points each,

Addition & Subtraction questions are 10 points each.

Grade Levels 6-10: Addition & Subtraction questions are 10 points each.

Rev. 5-2021 3 | P a g e

- B. Passing Requirements:
  - a) Students in Grade levels 1-10 must achieve a minimum score of 140.
  - b) Advanced level students need at least 40 points in any category and must meet the total score requirement listed below:

Advanced Level 1: 160	Advanced Level 5: 320	Advanced Level 9: 480
Advanced Level 2: 200	Advanced Level 6: 360	Advanced Level 10: 540
Advanced Level 3: 240	Advanced Level 7: 400	Advanced Level 10-Elite: 660
Advanced Level 4: 280	Advanced Level 8: 440	

#### 10. Grading Criteria:

No points are given for any violation of these rules:

- A. Rounding rules for Grade level 2 and up in Multiplication and Division:
  - a) Grades 1, 2 and Advanced Level: For Monetary calculations round to the 2<sup>nd</sup> place after the decimal point. Example: \$12.345 should be rounded to \$12.35
  - b) Grade 2: For Non-monetary calculations round to the 3<sup>rd</sup> place after the decimal point. Example: 15.2741should be rounded to 15.274; 15.2748 should be rounded to 15.275
  - c) Grade 1: For Non-monetary calculations round to the 4<sup>th</sup> place after the decimal point.
  - d) Advanced level: For Non-monetary calculations round to the 5th place after the decimal point.
- B. A "non-monetary" answer with pure decimal number or mixed decimal number that ends with "zero (0)" rounded or not, is invalid. Apply this rule to A. (b, c, d). Example for A-(c): 2.1500 (invalid), 2.15 (valid).
- C. Write your answers with Arabic numbers clearly. Unclear or ambiguous writing will be considered invalid.
- D. If a question has more than one answer, no points will be given no matter if one of the answers is correct.
- E. Use a "comma (,)" to separate every third digit in a whole number which has 3 or more digits. Example: 5,384,200
- F. No decimal point (.) is allowed after a whole number.
- G. In a "monetary (\$)" question, write two "zeros" or a "dash (-)" after the "decimal point (.)" Example: \$4,832.00 or \$4,832.-
- H. Additional characters other than the answer will void the correct answer on that specific question.
- 11. **Required Setup:** Students will be required to have a setup where their immediate surrounding areas are clearly visible in order to prevent cheating with a calculator or using outside help.
- 12. **Answering and Grading Criteria:** Your answer will be privately submitted to the website hosting the test, including Arabic numerals, commas, and decimals. Your answer will be graded "as-is" that is to say, the answer will be graded exactly as submitted.
- 13. Participants found to drop levels, use an impostor or outside help, or otherwise cheat will be disqualified. For matters not covered, a decision will be made on the exam date.
- 14. Test Registration Fees:
  - I. Each \$ 60.00 for Abacus or Mental Arithmetic, regardless of level.
  - II. Total \$ 110.00 for both Abacus and Mental Arithmetic, regardless of levels.

Please register online and send registration fee (check payable to CAAA) to the following address:

Chinese American Abacus Association 1363 Jacklin Road Milpitas, CA 95035

Phone: 408-389-8867 Voice mail

Test Registration: tinyurl.com/CAAA-28th-NCA

Website: www.caaa-abacus.org E-mail: CAAA.US@Gmail.com

CAAA is a federally registered 501(c)(3) non-profit organization



Rev. 5-2021 4 | P a g e