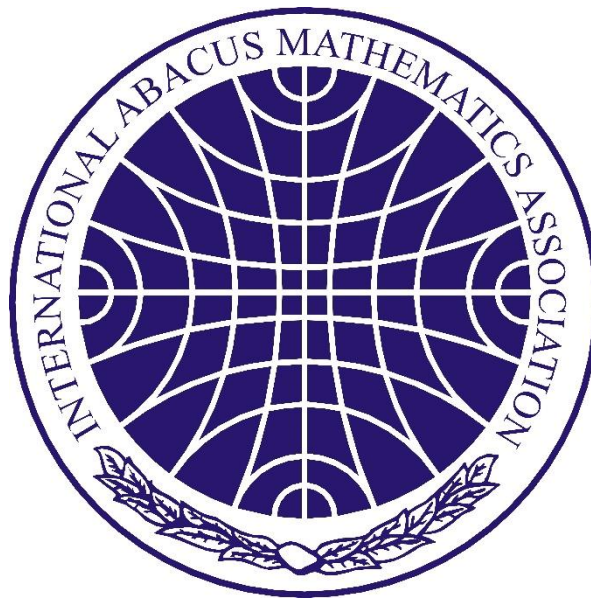


THE 46th INTERNATIONAL MATHEMATICS AND MENTAL ARITHMETIC COMPETITION 2026 SINGAPORE



Official Competition Rulebook

Organiser

IAMA Singapore Branch

Co-Organisers

IAMA Headquarter

IAMA National and Regional Branches

Abacus Society of ROC (Taiwan)

Olympic Publishing House

Competition Date: Saturday, 1 August 2026

Competition Time : 8:00am to 5:00pm (Singapore Time, UTC+8)

Venue: Resorts World Sentosa, Singapore (West Ballroom)

SECTION A — GENERAL INFORMATION

1. Objectives

- A. To encourage children worldwide to actively engage in mathematics and mental arithmetic practice.
- B. To inspire creativity and intellectual development.
- C. To promote cultural exchange among participating countries.
- D. To foster friendship among children internationally.
- E. To support children's happiness and healthy development.

2. Registration Period

Start: Immediately

Deadline: 15 May 2026

Registrations submitted after the deadline will not be accepted under any circumstances.

3. Competition Date, Time and Venue

Date: Saturday, 1 August 2026

Time: 8:00am to 5:00pm (Singapore Time, UTC+8)

Venue: Resorts World Sentosa — West Ballroom

8 Sentosa Gateway, Sentosa Island, Singapore 098269

<https://www.rwsentosa.com/en/meetings/event-venues/convention-centre>

4. Eligibility

Students currently enrolled in public or private high schools, secondary schools, primary schools, kindergartens, or enrichment centres (including national and regional branches or affiliated organisations) are eligible to participate.

Applicants must be recommended by their institution or must pass a selection test conducted by organisers or co-organisers.

Note: *High school students may participate only in the Mental Arithmetic Competition.*

5. Competition Categories

A. Individual Competition

Mathematics

Kindergarten	K2 & K3
Primary	Grade 1 to 6
Secondary	Grade 7 to 9

Mental Arithmetic

Kindergarten	K2 & K3
Primary	Grade 1 to 6
Secondary & High School	Single category (all grades compete together)

B. Team Competition

Each institution may nominate **three contestants per grade level** from individual participants to form a team.

Team rankings are based on combined individual scores.

If a grade level has **10 or fewer participants**, the team event for that level will be cancelled.

Mental Arithmetic Team (Secondary/High School): Teams may include any three students regardless of grade.

6. Age Eligibility

1. As school entry ages vary slightly across countries, the age criteria are based on Taiwan's school system, with an allowance of ± 3 months. For example, if the current Grade 1 entry range in Taiwan is 2 September 2018 to 1 September 2019, the adjusted eligibility range will be June 2018 to December 2019.

2. In accordance with Taiwan’s personal data protection regulations, participants’ personal information will be displayed only on-site during the competition. When results are published online after the event, participants’ names will not be disclosed.

3. Participants may compete in a higher grade level than their own (skip-grade participation), but they are not permitted to compete in a lower grade level.

Competition Age Table for All Grades

Grade	Competition Age	
	From	To
Kindergarten 2 (K2)	2020/6	~
Kindergarten 3 (K3)	2019/6	2020/12
Primary 1 (P1) - Grade 1	2018/6	2019/12
Primary 2 (P2) - Grade 2	2017/6	2018/12
Primary 3 (P3) - Grade 3	2016/6	2017/12
Primary 4 (P4) - Grade 4	2015/6	2016/12
Primary 5 (P5) - Grade 5	2014/6	2015/12
Primary 6 (P6) - Grade 6	2013/6	2014/12
Secondry 1 (G7) - Grade 7	2012/6	2013/12
Secondry 2 (G8) - Grade 8	2011/6	2012/12
Secondry 3 (G9) - Grade 9	2010/6	2011/12
High School (Mental only)	2004/6	2010/12

SECTION B — MATHEMATICS COMPETITION

1. Papers

Paper 1

Grade	Topic Type	Question Type	Number of Questions (Questions)	Each Question (Marks)	Total Score (marks)	Time Allowed (minutes)
Kindergarten and Primary School	Each grade (3 papers, B4)	Multiple Choice	60	10	600	Total 20 minutes
Secondary School	Each grade (≤8 papers, A4)		30	10	300	

Paper 2 (Tiebreaker)

Grade	Topic Type	Question Type	Number of Questions (Questions)	Each Question (Marks)	Total Score (marks)	Time Allowed (minutes)
Kindergarten and Primary School	Each grade (1 papers, B4)	Multiple Choice	20	10	200	Total 5 minutes
Secondary School	Each grade (2 papers, A4)		10	10	100	

All papers will be printed in **B4 size**, except for **Secondary School papers**, which will be printed in **A4 size**.

2. Question Scope

As specified in Annex III

Kindergarten: Questions will be set in accordance with the standards of the International Abacus and Mental Arithmetic Association (IAMA).

Primary School: Questions will be set based on the curriculum standards issued in Taiwan's Ministry of Education Curriculum Guidelines.

Secondary School: Questions will be set with reference to the format outlined in Taiwan's Secondary School Mathematics Basic Competency Assessment Curriculum Guidelines.

3. Marking Rules

Marking will be conducted in accordance with the standards of the International Abacus and Mental Arithmetic Association (IAMA).

Kindergarten: For each question, select the most appropriate option and write the answer in the blank space provided on the question paper. Answers not written in the designated space will not be awarded marks.

Primary and Secondary School: For each question, select the most appropriate option and indicate it in the "Answer Section" on the answer sheet.

Scoring:

- Each correct answer: **10 marks**
- Each incorrect answer, or any question with more than one option selected: **2 marks**

will be deducted (deduction will not exceed the marks allocated for that question)

▪ Unanswered questions: **0 marks**

SECTION C — MENTAL ARITHMETIC COMPETITION

1. Papers

Paper 1 & Paper 2 (Tiebreaker)

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)
First 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		

All papers will be printed in **B4 size**.

2. Question Scope

Questions will be set in accordance with the grading standards of the International Abacus and Mental Arithmetic Association (IAMA). The scope shall follow that specified in Section C - *Mental Arithmetic Competition, Part 1: Papers*.

3. Marking Rules

1. Answers must be written in Arabic numerals.
2. Answers must be written clearly. Illegible or ambiguous answers will be considered invalid.
3. If more than one answer is written for a question, the response will be considered invalid.
4. For integer values containing four or more digits, commas must be inserted every three digits [,]. Answers with misplaced or missing commas will be considered invalid.

5. For pure decimals, a zero must be written before the decimal point; otherwise, the answer will be considered invalid.

Example:

Correct: 0.123

Invalid: .123

6. The decimal point (.) and comma (,) must be clearly distinguishable; otherwise, the answer will be considered invalid.

Example:

Correct: 1,234.56

Invalid: 1,234,56 or 1.234,56

7. Answers must not end with a decimal point; otherwise, they will be considered invalid.

Example:

Correct: 13.67

Invalid: 13.67.

8. For answers that are pure numbers (without units), trailing zeros in the decimal portion must not be written, regardless of whether rounding is involved. Otherwise, the answer will be considered invalid.

9. For answers with units (e.g., currency), if decimal places are required but left blank, zeros must be inserted; otherwise, the answer will be considered invalid. However, if both decimal places are zero, either of the following formats is acceptable:

- Writing both zeros after the decimal point, or
- Drawing a horizontal line after the decimal point.

Examples:

• \$2.50 → Correct | \$2.5 → Invalid

• \$1,234.00 or \$1,234.- → Correct

• \$1,234 or \$1,234- → Invalid

10. If any digits after the decimal point are underlined, the answer will be considered invalid.

Examples:

Invalid: \$1.23 1.2345

- 11.** If an answer is written incorrectly, the entire answer must be cancelled with two horizontal lines and the correct answer rewritten. The following will render the answer invalid:
- Cancelling only part of the answer (Example: ~~1,234~~.56, 1,~~234~~.56)
 - Altering or rewriting digits
 - Erasing and rewriting, or partially erasing and correcting
- 12.** Any additional writing or marks unrelated to the answer will render that question invalid.

SECTION D — RANKING RULES

Individual Competition

1. Rankings will be based first on Paper 1 scores.
2. If there is a tie, Paper 2 (tiebreaker) scores will be used to determine the ranking.
3. If a tie still remains, the participant with the later date of birth will rank higher.
4. If participants share the same date of birth, the ranking will be decided by drawing lots.

Team Competition

1. Rankings will be based first on the combined Paper 1 scores of the three team members.
2. If there is a tie, the combined Paper 2 (tiebreaker) scores of the three members will determine the ranking.
3. If a tie still remains, the ranking will be decided by drawing lots.

SECTION E — REGISTRATION

Procedure

- Registration must be submitted collectively by respective institutions
- Separate registration forms required for Mathematics Competition [see Annex I(2)] and Mental Arithmetic [see Annex I(1)]
- Official institutional stamp required on the registration form
- Indicate all team members on the registration form

- Individual registration is not allowed. Students wishing to register individually should do so at their local centres or participating institutions. For details, contact the Association's secretary

Submission Methods

Submit the registration form to Association Secretariat via any of the following:-

Fax: 02-23512859

Email: power.cat@msa.hinet.net

LINE: powerdog888

Mail: International Abacus Mathematics Association

No. 8, Lane 3, Tai'an Street, Zhongzheng District, Taipei City 10054, Taiwan

Tel: 02-23211309

Fees

Taiwan Participants — TWD 1,700 per competition

International Participants — USD 55 per competition

Singapore Participants — SGD 70 per competition

No additional fee for team participation.

Payment via postal remittance upon submitting the registration form ■

For Taiwan Only:

Account Name : 國際珠算聯合會中華民國分會

Account Number : 01094388

For all countries except Taiwan:

Account Name : Fun with Abacus Enrichment Pte Ltd

Bank : Oversea-Chinese Banking Corporation Limited (OCBC)

SWIFT Code : OCBCSGSG

Account Number : Current Account - 595-172784-001

Please indicate "Competition Payment" in the remarks section, take a screenshot of your payment, and send it to Joy Tay at +65 9365 5098.

SECTION F — AWARDS

- 1st–3rd Place: Trophy + Certificate
- 4th Place: Medal + Certificate
- Please refer to Annex II for trophy and certificate quantities.

SECTION G — COMPETITION REGULATIONS

A. Participant Pass

All participants must present their pass to enter the competition and collect trophies. Keep it safe—loss of the pass will result in disqualification. Trophies can only be collected on competition day; no replacements will be provided afterward.

B. Eligibility and Fair Play

Participants competing in a lower grade than permitted, or impersonating another participant, will have their scores invalidated and any trophies confiscated.

C. Before the Competition

Do not touch the competition papers before the start. Keep both hands on your lap until instructed otherwise.

D. STOP Command

When the “STOP” command is given, stop calculating immediately, put down your pencil, turn over your paper, and place your hands on your lap while waiting for collection by the invigilators.

E. START & STOP Announcements

All “START” and “STOP” commands will be announced by the Chief Invigilator.

F. Rule Violations

Violating rules C or D will result in a score of zero for that section.

G. Prohibited Devices

No calculators or any calculating devices are allowed. Portable smart devices—including smartwatches, smart glasses, and smart headphones—are strictly forbidden, whether worn or placed on the desk.

H. Answer Guidelines

All answers must follow the Scoring Criteria. They must be clear, legible, and written within the designated answer boxes.

I. Score Review

Requests for score reviews cost TWD 200 (USD 7) per paper, payable the day after results is announced. If an official scoring error is confirmed, trophies and certificates will be reissued and the review fee refunded.

J. Questions During Competition

Any questions about the competition should be directed to the Federation Secretariat by the team leader before the competition begins.

K. Additional Matters

Any issues not covered by these rules will be communicated separately to all participating institutions.

SECTION H — IMPLEMENTATION

These rules take effect upon approval. Any amendments will be officially announced.

SECTION I — CLOSING

The competition is adjourned. See you at the next event.



2026年新加坡第46屆國際數學心算競賽

The 46th International Mathematics and Mental Arithmetic Competition 2026 - Singapore

心 算 競 賽 Mental Arithmetic 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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Note: Please stick the photo to the participation card.



2026年新加坡第46屆國際數學心算競賽

The 46th International Mathematics and Mental Arithmetic Competition 2026 - Singapore

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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Note: Please stick the photo to the participation card.

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

Individual Grade	1St Place (people)	2nd Place (%)	3rd Place (%)	4th Place (%)	Note
Kindergarten 2 (K2)	1	Each20%	Each30%	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	Each10%	Each30%	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				

Annex III(1)

Kindergarten and Primary School mathematics competition proposition range

Range	item	Kindergarten K2	Kindergarten K3	Primary 1 (P1)	Primary 2 (P2)
First semester	1	Add. and subtraction within 10	Add. and subtraction within 15	Number up to 10	Number up to 200
	2	Shape recognition	Graphics recognition	Object length	Vertical Addition of Two-digit
	3	Compare (size, length, height, how much, firm or soft)	Comparison (thickness, width, front and rear, left and right, volume, length)	The order and magnitude of the numbers	Vertical Subtraction of Two-digit
	4	Compare (height, weight, age, strength, light and dark)	Graphics (superposition, side view, shadow, complement, expansion, movement)	Divide and combine	To measure
	5	Graphic segmentation correspondence	Object correspondence	Know shapes	What time is it?
	6	Graphics sequence judgment	Graphics sequence discrimination	Addition within 10	Planes, Lines and Angles
	7	Number sequence (forward and reverse count)	Numerical sort (within 20)	Subtraction within 10	Two step problem and to estimate
	8	Plus and minus symbol discrimination	time corresponding	Number up to 30	Multiplication (1)
	9	Odd or even number discrimination	Water surface identification	What time and what time and a half	Multiplication (2)
	10	Written computing	Written computing	Where is it	Capacity and weight
Second semester	1	Add. and subtraction within 10	Add. and subtraction within 20	Numbers up to 100	Number up to 1000
	2	Shape recognition and complementation	3D figure recognition	Addition and subtraction within 20	Multiplication (1)
	3	Compare (size, length, height, volume, speed, amount)	Compare (front to back, side to side, volume, length, weight)	The length	Addition and subtraction within 1000
	4	Graphics (reverse, top view, unfold)	Graphics (resolution, combination, superimposition, mirroring, direction)	What date is it today? What day is it today?	Year, month and week
	5	Identification of the same and different species	Footprints, afterimage connection	Graphics and Shapes	Meters and centimeters
	6	Graphics sequence identification	Graphic classification	Two-digit addition	Plane graphics and 3D shapes
	7	Multiple calculation	Number sequence (forward and reverse within 20)	The coin	Multiplication (2)
	8	Plus and minus symbol judgment	Know the time and what time and a half	Two-digit subtraction	Two step problem
	9	Odd and even number identification	Water surface identification	Use money	Divide and divide equally
	10	written computing	Written computing	Make a record	Know fraction
Range	item	Primary 3 (P3)	Primary 4 (P4)	Primary 5 (P5)	Primary 6 (P6)
First semester	1	Number line	Numbers up to 100 million	Addition and subtraction of decimals	Prime numbers and Prime factors
	2	Numbers up to 10000	Multiplication	Factors and Multiples	Greatest common factor and Least common multiple
	3	Addition and subtraction of 4-digit	Angle	Expansion, reduction, and generalization of fraction	Division of fractions
	4	Angle	Division	Polygons and Sectors	Division of decimals
	5	Multiplication	Triangle	Addition and subtraction of fractions with different denominators	Bar and Line charts
	6	Boundary and Perimeter	Arithmetic on integers	Multiplication and Division	Pi, Circumference, and Circle Area
	7	Addition and subtraction combining and estimating	Fraction	Integer four arithmetic operations	Ratio, Ratio value, and Proportional
	8	Division	Calculation of capacity and weight	Area	Graphical scaling
	9	Circle	Decimal	Multiplication and division of time	Axioms of equality
	10	Fraction	Statistical graph	Line Symmetry Graphics	Regular problem
Second semester	1	Millimeter	More than one hundred million	Volume of cuboids and cubes	The Four Arithmetic Operations of Decimals and Fractions
	2	Multiplication	Kilometer	Calculation of fraction	Rate
	3	The time	Fraction	Volume and capacity	Shape relationships, Volume and Surface area
	4	Decimal	Quadrilateral	Multiplication of decimals	Fundamental quantity and Comparative quantity
	5	Liters and milliliters	Perimeter and Area	Surface area	How to solve the problem
	6	Area	Multiplication of decimals	Integer, decimal divided by integer	Circular chart
	7	Addition and subtraction of fractions	Approximate number	Big unit in life	Mean, Median and Mode
	8	Division	Integer four arithmetic mixed calculation	List equation and Problem solving	Plane coordinates
	9	Kilograms and grams	Time calculation	Ratio and Percentage	Proportional and inversely proportional
	10	Reading Tables and Statistics	Volume	Cylinders, Cones, and Spheres	Simple probability

Note: (1) The math competition standard is based on the latest curriculum standard of the Taiwan Ministry of Education (108 Curriculum).
(2) The competition test consists of 60 multiple-choice questions (each question is 10 points, Total is 600 points).

Secondary School mathematics competition proposition range

Seventh Grade (G7)

First semester

Chapter 1 Factors and Multiples

1-1 Use symbols to represent numbers and exponent laws

1-2 Factors, Multiples, and Prime Numbers

1-3 Common factors and common multiples

Chapter 2 Negative Numbers

2-1 Know negative numbers

2-2 Addition and subtraction

2-3 Multiplication and division

2-4 Number lines

2-5 Scientific Notations

Chapter 3 First degree equations with one unknown

3-1 Listed in symbols

3-2 The first degree equations operation

3-3 Solutions of first degree equations with one unknown

3-4 Application of first degree equations with one unknown

Second semester

Chapter 1 System of linear simultaneous equations in two unknowns

1-1 List by system of linear equations in two unknowns

1-2 Elimination by substitution

1-3 Elimination by addition or subtraction

1-4 Application of system of linear simultaneous equations in two unknown

Chapter 2 Ratio

2-1 Ratio

2-2 Proportion and continued ratio

2-3 Proportional and inverse proportional

Chapter 3 Functions and rectangular coordinates

3-1 Function

3-2 Rectangular coordinates

3-3 Functions and graphics

3-4 Graphics of system of linear equations in two unknowns

Chapter 4 Inequality

4-1 Understanding inequality

4-2 Properties of inequality

4-3 Inequality and Number lines

4-4 linear inequality with one unknown

Eighth Grade (G8)

First semester

Chapter 1 Multiplication Formulas and Polynomials

- 1-1 Multiplication formula
- 1-2 polynomials and their addition and subtraction
- 1-3. Multiplication and division of polynomials

Chapter 2 Pythagorean Theorem and Square Root

- 2-1 Pythagorean theorem
- 2-2 square roots and approximations
- 2-3 Operations of Radicals
- 2-4 Application of Pythagorean Theorem

Chapter 3 Factorization of Polynomials

- 3-1 Multiplication formula and method of proposing common factor
- 3-2 Cross method

Chapter 4 Quadratic equation with one unknown

- 4-1 Solve by factorization method
- 4-2 Compounding method and formula solution
- 4-3 Application of quadratic equation in with one unknown

Second semester

Chapter 1 Sequence and series

- 1-1 Arithmetic sequence
- 1-2 Arithmetic progression

Chapter 2 Angles of geometric figures

- 2-1 Angles of a triangle
- 2-2 Interior and exterior angles of polygons
- 2-3 Parallel and vertical

Chapter 3 Basic Properties of Triangles

- 3-1 The concept of congruence
- 3-2 SSS congruence and Geometric construction
- 3-3 Properties of Angles and Sides of Triangles

Chapter 4 Geometric Figures

4-1 Parallelogram

4-2 Line Symmetry and Geometric Figures

4-3 Perimeter and area

4-4 Surface area and volume

Ninth Grade (G9)

First semester

Chapter 1 Similar Triangles

- 1-1 Scaling
- 1-2 Similar triangles
- 1-3 Application of similar figures

Chapter 2 Circle

- 2-1 Circle
- 2-2 Circle and Angle
- 2-3 Circles and polygons (including three centres)
- 2-4 Mathematics Proof

Chapter 3 Quadratic Functions

- 3-1 Quadratic functions and graphs
- 3-2 Compounding method and parabola

Second semester

Chapter 1 Probability and Statistics

- 1-1 Data statistics and analysis
- 1-2 Data distribution
- 1-3 Probability

Chapter 2 Review and Prospect

- 2-1 Number and quantity
- 2-2 Algebra
- 2-3 Geometry
- 2-4 Comprehensive problem solving