

P1

Singapore Mathematics Advanced Program

Spark joy in learning , improve grades
and maximize learning potential.



Small class size

Systematic learning approach

Complete learning cycle

Highly interactive teaching materials

Highly effective visual aids

• Desired Educational Outcomes •

Knowledge

Full coverage of MOE primary 1 syllabus with the addition of competition math allowing your child to manage even the hardest questions in school.

Behavior

Active in-class participation, interaction with teachers and peers.

Attitude

Gain content mastery, interest, confidence and competitive edge in mathematics.

Cognition

Develop metacognition, cultivate creative and critical thinking, enhancing your child's problem solving abilities.

Results



Improve test scores



Promote competitiveness



21st Century Competencies

• Course Content •

Our course content comprises of: School Syllabus, Higher-Order Thinking questions from examinations, Calculation Strategies and Competition Mathematics. It covers three modules: Number and Algebra, Geometry and Measurement, and Statistics.

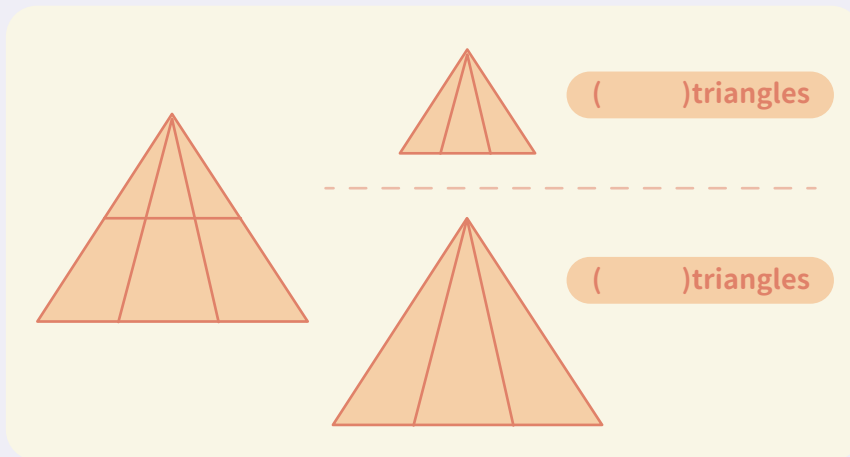
Number and Algebra

Numbers within 100, Addition and Subtraction, Addition and Subtraction Word Problems, Multiplication and Division, Multiplication and Division Word Problems, and the Application of Time and Money.

$$19 + 19 + 19 + 3 = 60$$
$$20 + 20 + 20 = 60$$

Geometry and Measurement

Measuring in centimeters (cm), Counting of 2D Plane Figures (in an orderly manner), Comparing and Arranging Multiple Objects by Length.








Statistics

Recognise and Solve Graph (Bar Graphs, Line Graphs) Problems.

Look at the table.

Compare the participation rates of the two activities.

Write an addition or subtraction story. Have a try!

			
	12	20	10
	25	14	30

• Knowledge Overview •

Numbers up to 100 (24 classes)

- Number Notation
- Place Values (tens, ones)
- Comparing Numbers
- Ordering Numbers
- Ordinal Numbers
- Patterns in Number Sequences

Addition and Subtraction (32 classes)

- Adding and Subtracting Within 100
- Addition Tricks
- Subtraction Tricks
- Word Problems Involving Addition and Subtraction

Multiplication and Division (18 classes)

- Multiplying Within 40
- Dividing Within 40
- Word Problems Involving Multiplication and Division

Money (4 classes)

- Counting Money

Length (4 classes)

- Measuring Length in Centimetres
- Comparing and Ordering Lengths in cm

Time (4 classes)

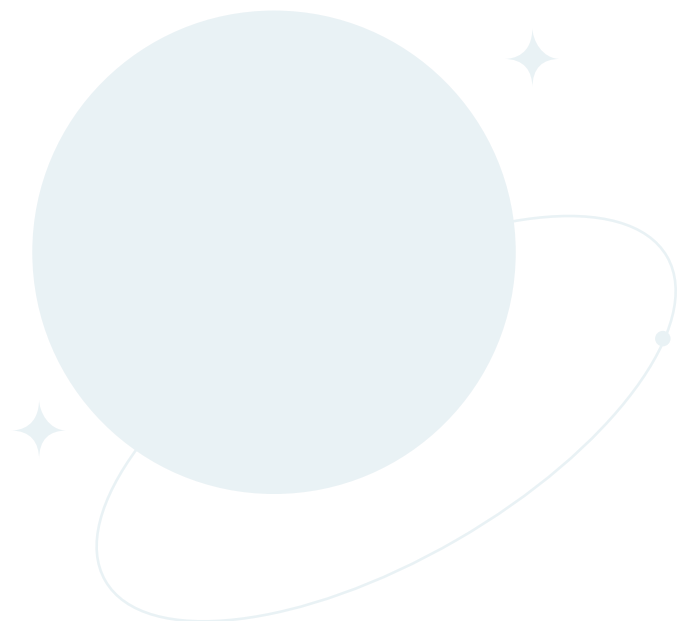
- Telling Time to 5 Minutes
- Duration of One Hour and Half Hour

2D Shapes (10 classes)

- Comparing and Classifying 2D Shapes
- Forming Different 2D Figures
- Counting Shapes

Picture Graphs (4 classes)

- Reading and Interpreting Data From Picture Graphs

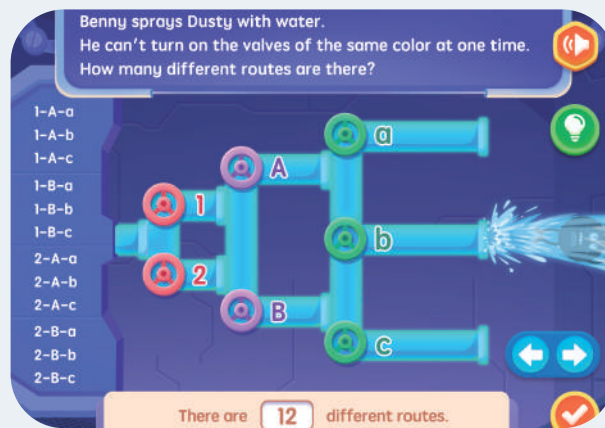


• Problem-solving Strategies •

We use a variety of proven teaching pedagogies in line with students' cognitive development. With the focus on problem-solving strategies, the pedagogies used in the lessons include the CPA approach, Polya's four-step problem-solving process, and transfer of learning approach.

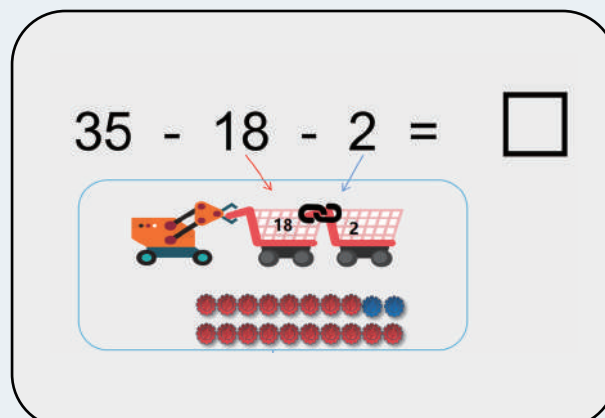
Make Tables

Students are to list down all the possible scenarios in a systematic manner.



Grouping

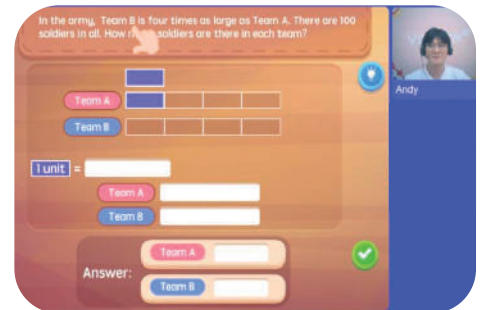
Calculation strategies: Make ten



• Course Highlights •

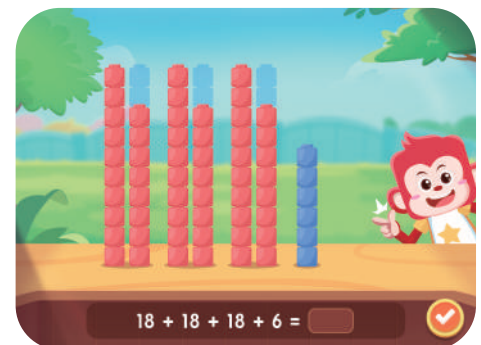
Small Class Size

Our very small class size makes it easy for every child to interact with the teacher: to ask questions, make comments, and get personal attention as they learn.



Highly Interactive Multimedia Courseware

The online learning environment is supported by a highly interactive multimedia courseware. The courseware is designed in a way that makes thinking visible, allowing students to grasp even the most complex and abstract mathematical concepts.



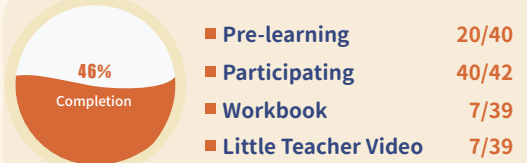
Reward System

We use a combination of extrinsic and intrinsic motivation strategies to engage and encourage your child to put in continual effort into their studies.



Assessment for Learning

Regular assessments from basic computation to the Math Challenge will monitor your child's learning gaps and provide timely feedback to the teachers.



*Average completion rate of the same level 69%

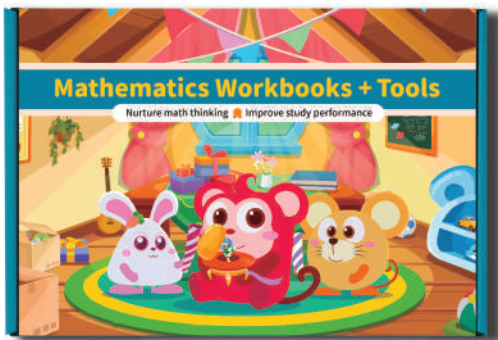
Parent Reports

Parents are able to get real-time insights into the child's performance and progress through a comprehensive report.

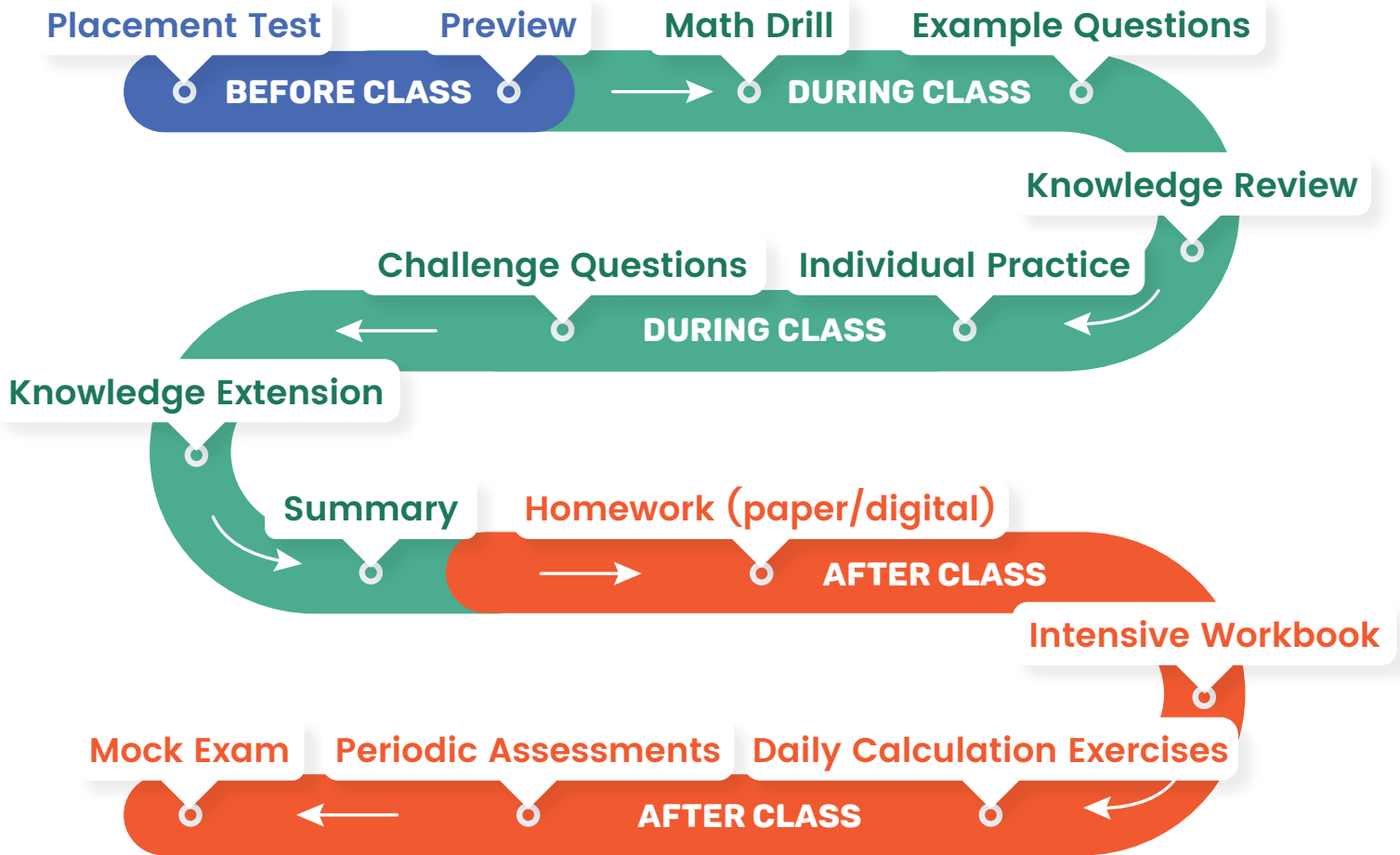


*Average completion rate of the same level 37%

Learning Materials



• Complete Learning Cycle



Sign up today!



Thousands of students have spent more than 5 years with us. Join us now!



• About Our Team •

Our pedagogy research team consists of experts with 30–40 years of experience in the education industry and over 100 senior teaching and research staff with rich experience in education and training research.

The teaching team consists of graduates from the world's top universities, national and international Mathematical Olympiad winners, former GEP students, PSLE top scorers and former MOE teachers.



• Students' Achievement •

VISPARK students have achieved excellent results in past mathematics competitions. Our overall award rate exceeds the world's average.

