



Primary 5 Mathematics Curriculum Information

2022





Curriculum



The **Primary Mathematics Syllabus** aims to enable all students to:

- acquire mathematical concepts and skills for everyday use and continuous learning in mathematics
- develop thinking, reasoning, communication, application and metacognitive skills through a mathematical approach to problem-solving; and
- build confidence and foster interest in mathematics.

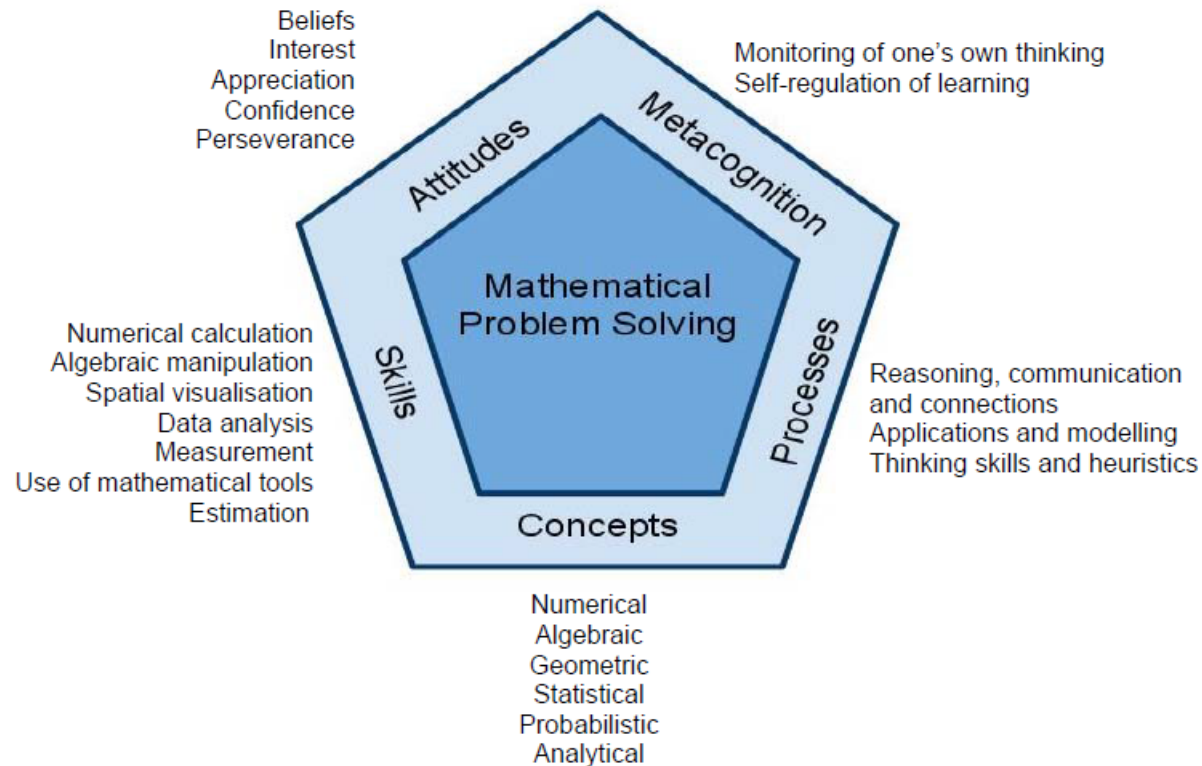


*Love to Learn Maths
Learn to Love Maths*



Mathematics Syllabus

<https://www.moe.gov.sg/primary/curriculum/syllabus>



Specific topics to be covered are in the
Primary 5 Shaping Mathematics Textbooks.



Pedagogy



Learner-centred pedagogy

Teachers will use appropriate pedagogical approaches:

- Concrete-Pictorial-Abstract approach (C-P-A)
- Hands-on learning experiences
- Co-operative learning, opportunities for collaborative work
- Differentiated Instruction (DI - Content, Process, Product)
- E-learning, SLS Lessons , etc

- Use formative assessment (FA) strategies to monitor and deepen students' learning
- Guide students in using BEST^{ANS} problem solving strategy
- Provide Critical Thinking exercises to equip students with problem solving heuristics



Assessment

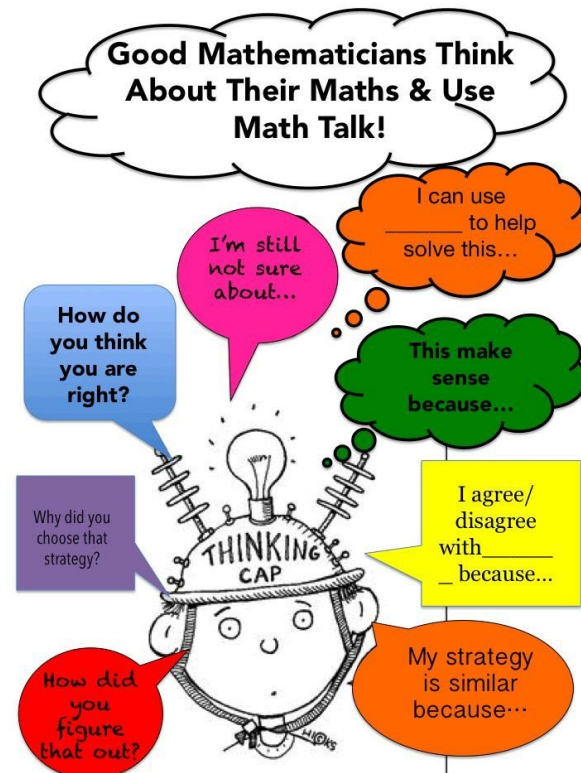


Informal modes of assessment to gauge students' learning

Maths Talk/Class Discussion

Learning experiences

Collaborative Work



NO Mid-Year Examination

P5 Mathematics School-based Assessment			
Mathematics Written Paper	Weighted Assessment WA 1 & WA 2	End-of-Year Examination	Total
Weighting	30%	70%	100%



P5 Mathematics Weighted Assessment Format

WA 1 & WA 2	Number of questions	Marks per Question	Marks	Duration
Short-answer Questions	10	1	10	1 hour <u>No</u> calculators
Long-answer Questions	5	3/4/5	20	
Total	15		30	



P5 Standard Mathematics Examination Format

	Number of questions	Marks per question	Number of Marks	Duration
Paper 1 Booklet A MCQ Booklet B Short-answer Q	10	1	10	Paper 1 Booklet A & B 1 hour No calculators
	5	2	10	
	5	1	5	
	10	2	20	
Paper 2 Short-answer Q Structured/ Long-answer Q Total	5	2	10	Paper 2 1 h 30 min The use of calculators is allowed.
	12	3, 4 or 5	45	
	47	-	100	



1. Both papers will be scheduled on the same day with a break between the two papers.
2. **Paper 1** comprises two booklets.
The use of calculators is **not** allowed.
3. **Paper 2** comprises one booklet.
The use of calculators is allowed.



Use of Calculators

*Only calculators that are **approved** by the **Singapore Examinations & Assessment Board (SEAB)** will be allowed in the examination.*

The calculator must be:

- silent, with a visual display only.
- indicated clearly with the model number and brand for verification purposes.
- in working condition (including the power supply).

Your child **cannot share** calculators with other students during the examination.

Our students are using the following models:

CASIO fx 97SG X

CASIO fx 96SG PLUS

CASIO fx 95SG PLUS



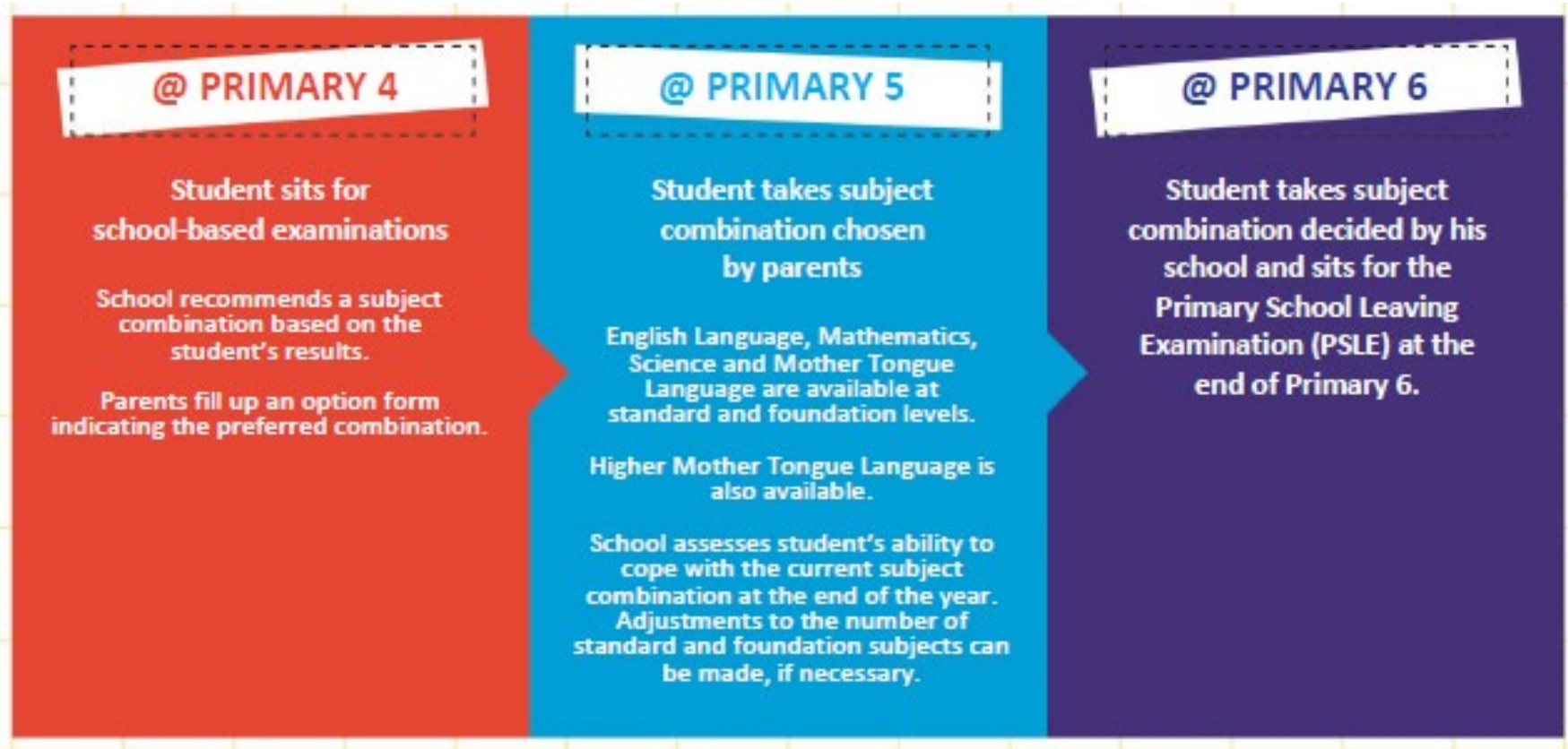
Grading for Primary 5 Mathematics

Achievement Levels

AL	RAW MARK RANGE
1	90 – 100
2	85 – 89
3	80 – 84
4	75 – 79
5	65 – 74
6	45 – 64
7	20 – 44
8	< 20



Note: Foundation Mathematics at P6/2023



Some students may need to offer **Foundation Mathematics** in P6. This enables them to focus on building up strong fundamentals in the subject and better prepares them for progression to secondary school.



Level-Specific Programme Highlights

	School-based
1	ALP Coding Activities
2	P5 Mathematics Quizzes

coding



Mathematics Competitions - Optional

	For interested students (registration required, self-funded, details will be given at a later date)
1	NMOS by NUS High School
2	Annual Mathlympics





Home-School Partnership



Please ensure that your child has a good mastery of the multiplication tables and the basic concepts and skills learnt in **Primary 4**:

- Whole Numbers
- Fractions
- Decimals
- Geometry
- Measurement
- Data Analysis

* Details can be found in the P4 textbooks.

* Your child is advised to keep his P4 and P5 books/materials for reference this year and in P6/2023.

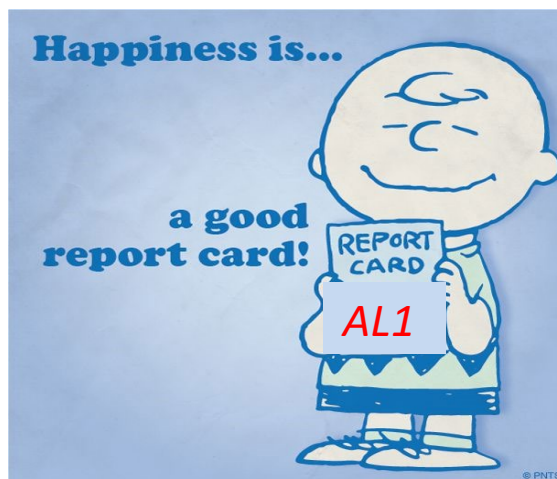


How can parents help?

*Please ensure that your child has a good mastery of the **P4** basic concepts and skills:*

- ☐ *Whole Numbers*
- ☐ *Fractions*
- ☐ *Data Analysis*
- ☐ *Geometry*
- ☐ *Measurement (Length, Time, Money)*
- ☐ *Area & Perimeter*

**Mastery in P4 concepts and skills
will enhance
your child's success
in achieving
the learning outcomes
for P5 Mathematics.**



How can parents help?



- ☐ **Monitor & ensure that your child** does his schoolwork so that he has sufficient practice to acquire the necessary procedural skills, accuracy and speed



- ☐ **Regularly check your child's books/file**
 - Shaping Maths Activity Books
 - My Pals Maths Test Book 5
 - Critical Thinking Booklet
 - Supplementary Worksheets

 - Parent's Signature

Recommended **Optional** Supplementary Materials (available from the school bookshop)

Targeting Maths Companion 5A & 5B

STRETCH Mathematics Book 4 & 5

My Pals! Homework Book 5A & 5B



+Venture In Maths! Magazine
Subscription:
<https://www.add-venture.com.sg>



Smart Mathematician Magazine
Subscription:
<https://youngscientistsreader.com.sg>



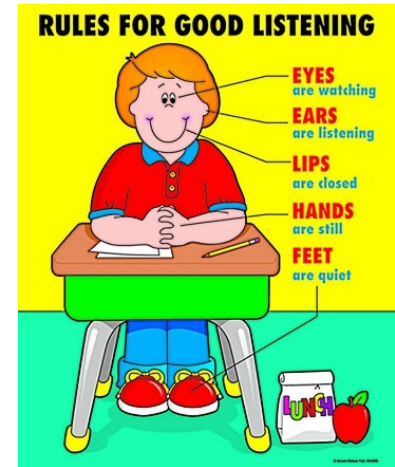
Encourage your child to develop good work habits

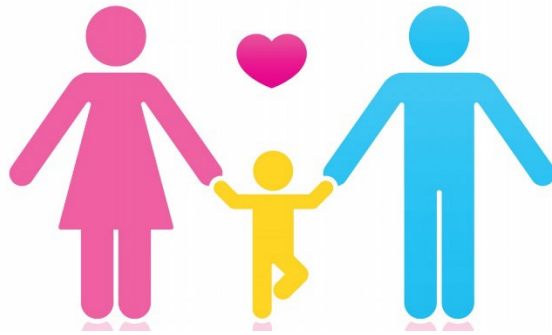
- Overall presentation demonstrating good understanding of Mathematics concepts required to complete task
- Good handwriting
- *Complete written task*
- *Solve problems with accuracy*



Instill in your child a positive learning attitude and good habits to maximize learning

- ☑ Behave, Focus and Participate
- ☑ Listen
- ☑ Speak at appropriate times
- ☑ Be organized
- ☑ Be accustomed to sitting down for a period of 1h 30min
- ☑ *Bring necessary **stationery** (pen, pencil, ruler, eraser)*

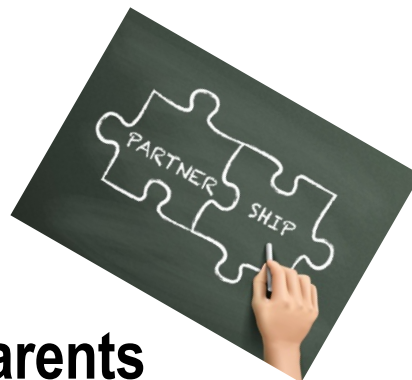




Parents' Support

Parents play an important role
in fostering the
Joy of Learning.

Support your child in developing
dispositions for **lifelong learning.**



**In Partnership with Parents
to Develop your Children to their
Fullest Potential**

Thank You

