Sharing on Mathematics

Primary 5

Overview

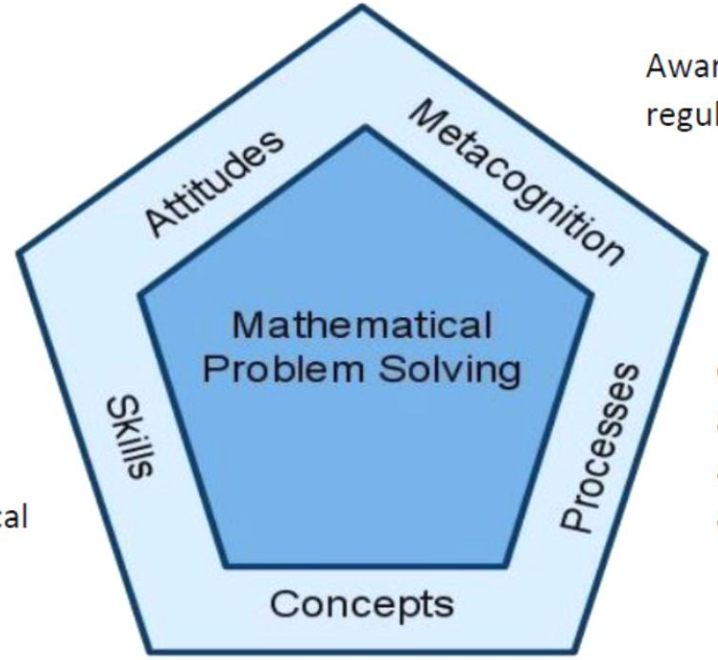
- Mathematics Curriculum
- P5 Assessment: Exam Format and the Introduction of the Use of Calculators
- Home Support for Your Child

Mathematics Curriculum

Mathematics Curriculum Framework

Belief, appreciation, confidence, motivation, interest and perseverance

Awareness, monitoring and regulation of thought processes



Proficiency in carrying out operations and algorithms, visualising space, handling data and using mathematical tools

Competencies in abstracting and reasoning, representing and communicating, applying and modelling

Understanding of the properties and relationships, operations and algorithms

YHPS Maths Department Mission

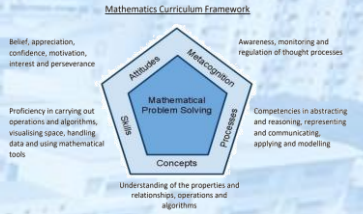
Pos Ed
Growth Mindset

Activity-Based Learning
Cooperative Learning Strategies
Online Collaborative Learning
Maths Buddy
Peer Coaching

Resilient

Collaborative

Problem Solvers



Maths Curriculum Framework

Problem-Solving Strategies + EOT

To develop **resilient** and **collaborative problem solvers**

P5 Assessment:
Exam Format and
the Introduction of the Use of Calculator

P5 Maths Assessment Plan

Assessment	Term 1	Term 2	Term 3	Term 4
Formative Assessment (Non-weighted)	**Topical Review** - Whole Numbers - Order of Operations - Fractions (I) **Term 1 Review Quiz** SLS Online Quiz **Topics to be ass** - Whole Number - Operations On Numbers - Fractions	**Topical Review** - Fractions (II) - Area of Triangle - Volume	**Topical Review** - Decimals - Percentage - Rate	**Topical Review** - Angles, Triangles and Quadrilaterals
Summative Assessment (Weighted) **Total: 100%**				

Maths Department 2025

YUHUA PRIMARY SCHOOL
Primary 5 Mathematics
Topical Review 1

Name : _____ ( ) Date : _____

Class : _____

Parent's Signature: _____

TOPIC: WHOLE NUMBERS

1. Self-assessment:

I am able to ...	I need help!	I'm almost there!	I can do this!
solve questions involving number notations. - Topical Review Q1, 3 & 4 - Activity Book p.1-4			
solve questions involving ×/÷ by tens, hundreds, and thousands. - Topical Review Q2, 5 & 6 - Activity Book p.7-10			
solve word problems involving whole numbers. - Topical Review Q7, 8, 9 & 10			

Maths Department 2025

2. Reflections:

Describe a mistake or misconception that you had. What did you learn from this? If you don't have a mistake, write a similar problem and solve it. You may write or draw to illustrate.

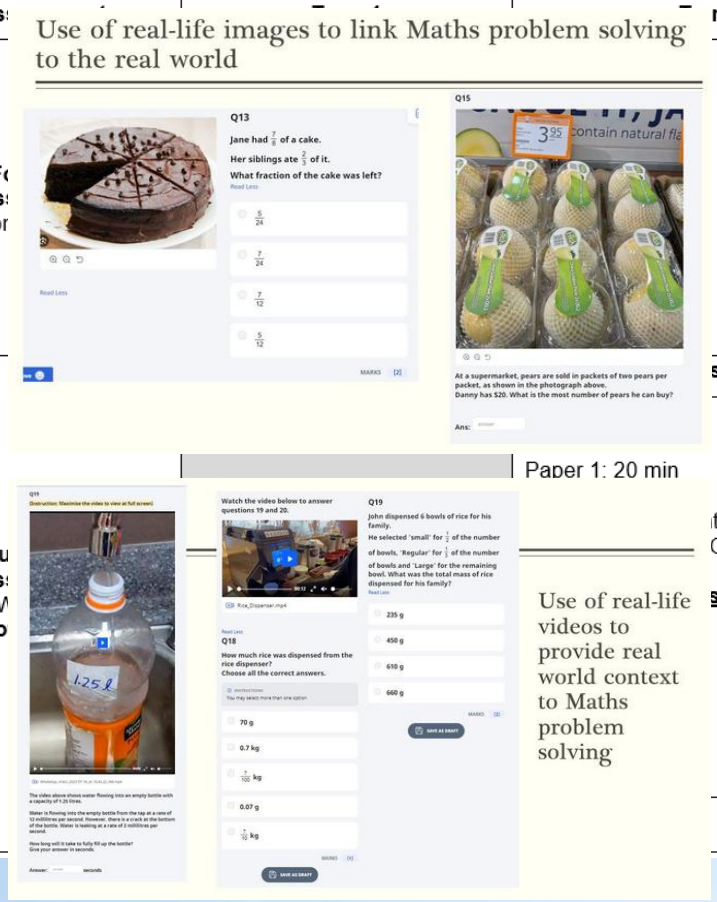
3. My revision plans:

I will...	Date completed
☐ revise through textbook page 1 to 21.	
☐ revise through SLS Lesson(s): • *go.gov.sg/pm501* • *go.gov.sg/pm502*	
☐ ask my Maths Buddy (Who? _____) about _____.	
☐ try a different strategy: • _____ *(For example, find a pattern, make a list or table, draw model, work backwards, guess and check, etc.)*	

"Mathematics may not teach us to add love or subtract hate, but it gives us hope that every problem has a solution."
~ Anonymous

P5 Maths Assessment Plan

Ass	m 2	Term 3	Term 4
Fo Ass (Nor		**Topical Review** - Decimals - Percentage - Rate	**Topical Review** - Angles, Triangles and Quadrilaterals
Su Ass (W To	st - 8 May) t: Q ssed	**Term 3 Review Test** Term 3 Week 7- 8 (14 – 20 Aug) (30 marks, 45 min) SLS Online Quiz / Written **Topics to be assessed** - Fractions - Decimals - Rate - Percentage - Angles	**End-of-Year Exam** Term 4 Week 6 ***(22 Oct)*** (100 marks) Paper 1: 1 h 10 min Paper 2: 1 h 20 min Written Assessment: MCQ, SAQ and LAQ **Topics to be assessed** - Whole Numbers; Fractions; Decimals - Percentage - Rate - Measurement - Geometry - Statistics
		15%	70%



End-of-Year Exam Paper Format

Standard Mathematics

Paper	Booklet	Item Type	Number of questions	Number of marks per question	Total marks	Duration
1	A	Multiple-choice	10	1	10	1 h 10 min
			8	2	16	
	B	Short-answer	12	2	24	
2		Short-answer	5	2	10	1 h 20 min
		Structured/ Long-answer	10	3, 4 or 5	40	
Total			45	-	100	2 h 30 min

Foundation Mathematics

Paper	Booklet	Item Type	Number of questions	Number of marks per question	Total marks	Duration
1	A	Multiple-choice	10	1	10	1 h
			10	2	20	
	B	Short-answer	8	2	16	
2		Short-answer	10	2	20	45 min
		Structured	4	3 or 4	14	
Total			42	-	80	1 h 45 min

Time Management

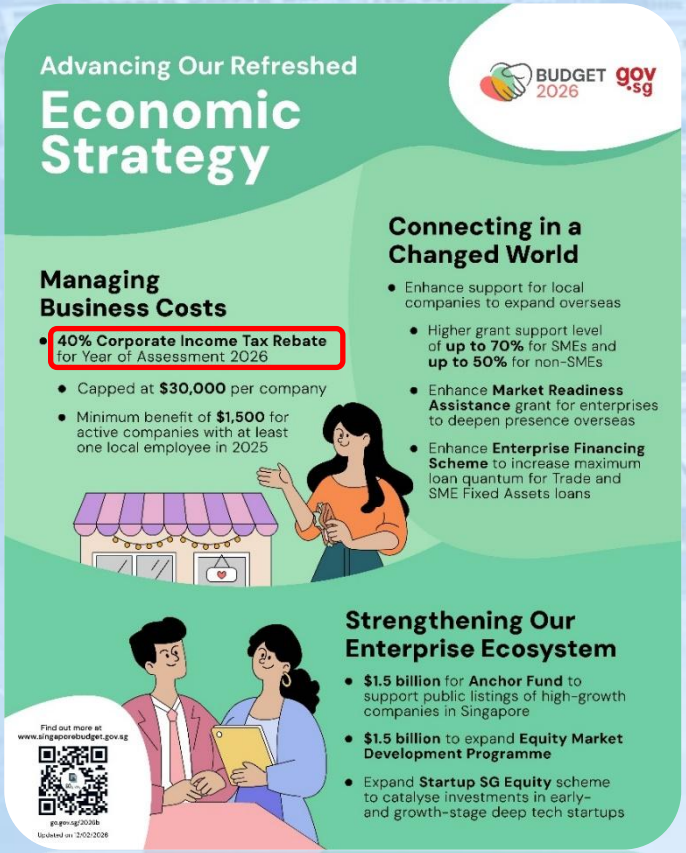
List of Approved Calculator Models

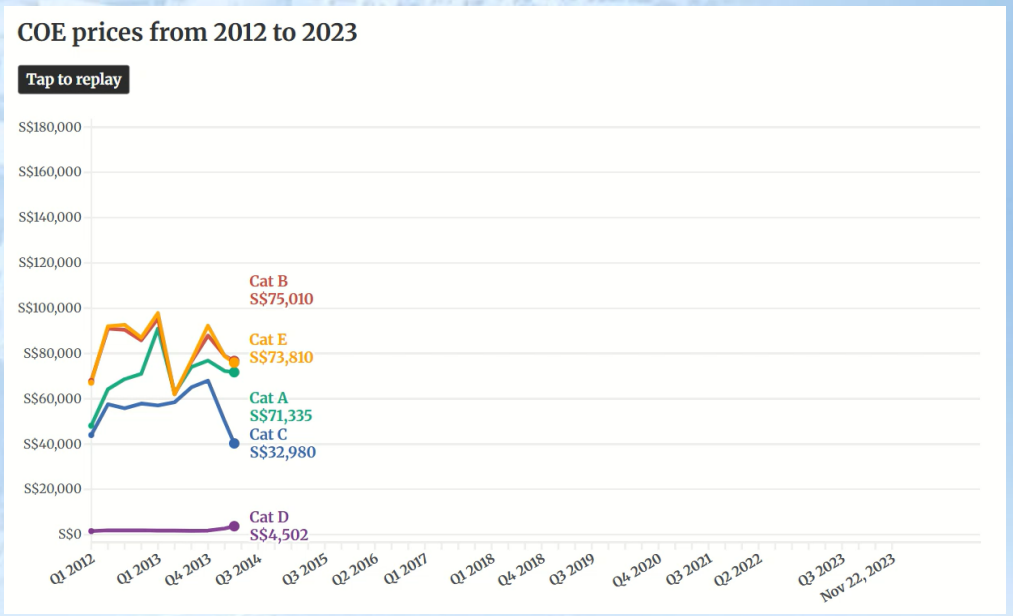
S/N	Calculator Brand	Calculator Model
1	CASIO	FX 82MS
2		FX 85MS
3		FX 95MS
4		FX 97SG X
5		FX 350MS
6		FX 97SG CW ^
7	CANON	F-960SG
8	HEWLETT PACKARD	HP 10S+
9	SHARP	EL W531S II
10		EL W531S II Silver Edition

Home Support for Your Child

Relate Mathematics to Daily Life

- Talk about Maths using real-life contexts found in print e.g. newspapers, internet





COE premium prices over the years. (Animated graphics: CNA/Clara Ho)

Relate Mathematics to Daily Life

- Engage your child in daily chores or family events that involve Mathematics

Relate Mathematics to Daily Life

- Provide opportunities for your child to have a sense of how heavy or long items are, or amount of space items occupy.

Relate Mathematics to Daily Life

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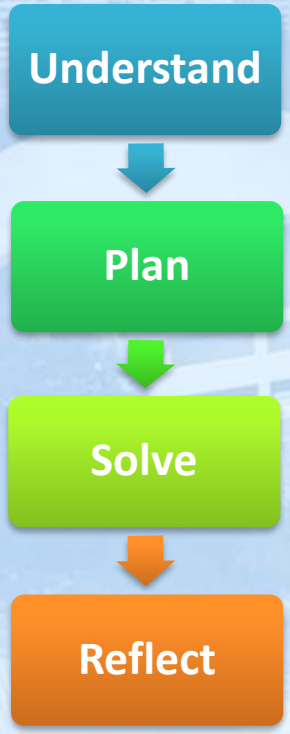
Scaffold Word Problems



Scaffold Word Problems

Guiding Questions

Understand the Question

- **Given**: What is the problem about? What is the information given?
- **Find**: What am I supposed to find?
- **Topic(s)**: What are the relevant topics to this problem?
- **Formula(e)**: What is/are the appropriate formula(e) to use?
- **Visualise (Picture)**: What do I see? What can I draw to represent the problem?

Plan

- What do I know?
- What do I need to do to solve the problem?
- Do I need more information?
- Is there a hidden question?
- What strategies are useful?

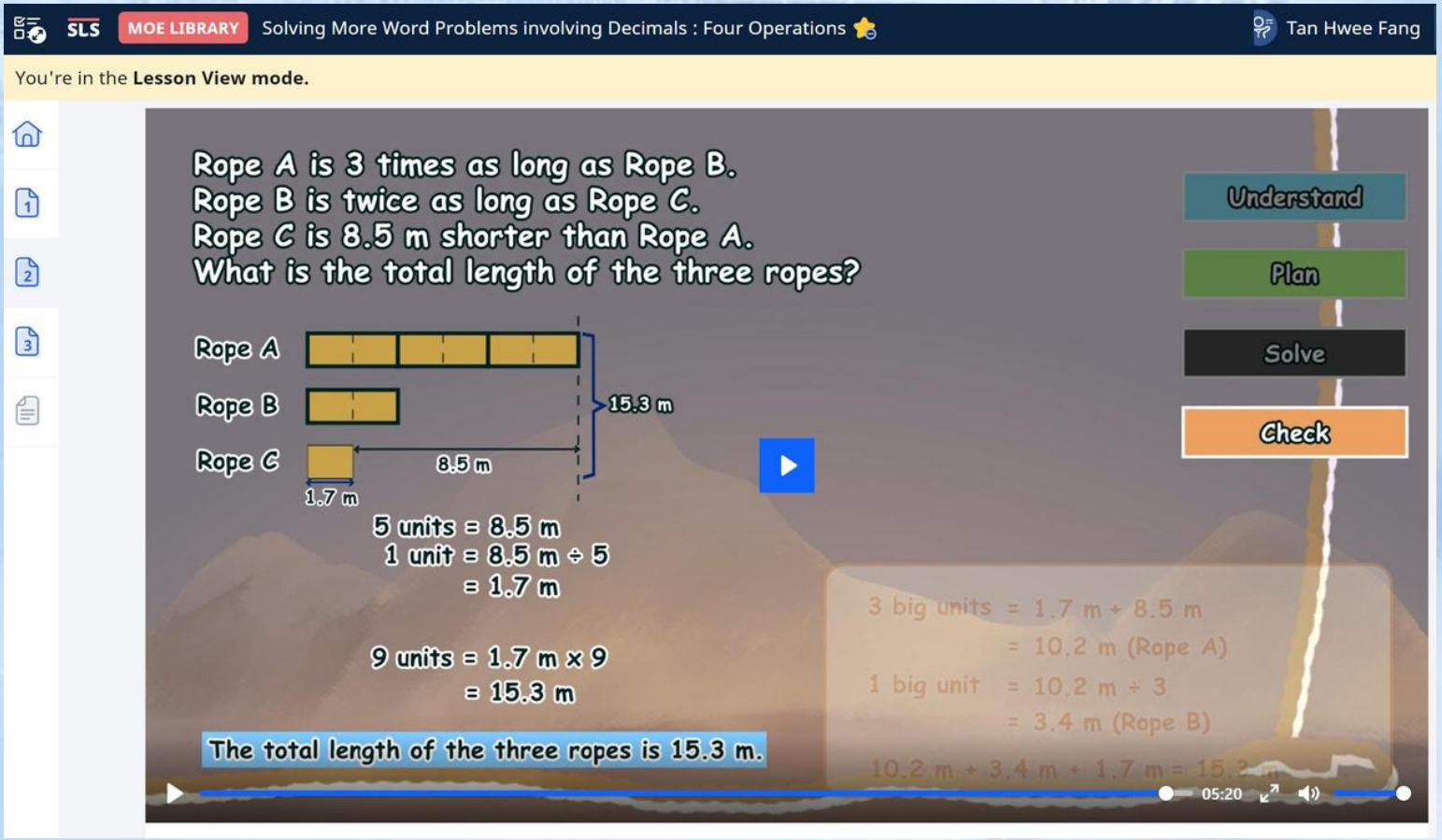
Solve

- Did I use the correct values?
- Is my computation correct?

Reflect

- Is the answer reasonable?
- Do I need to revise my plan to meet all the conditions?
- Are there alternative solutions

Scaffold Word Problems



Provide Emotional Support

- Provide emotional support for your child.

THANK YOU