



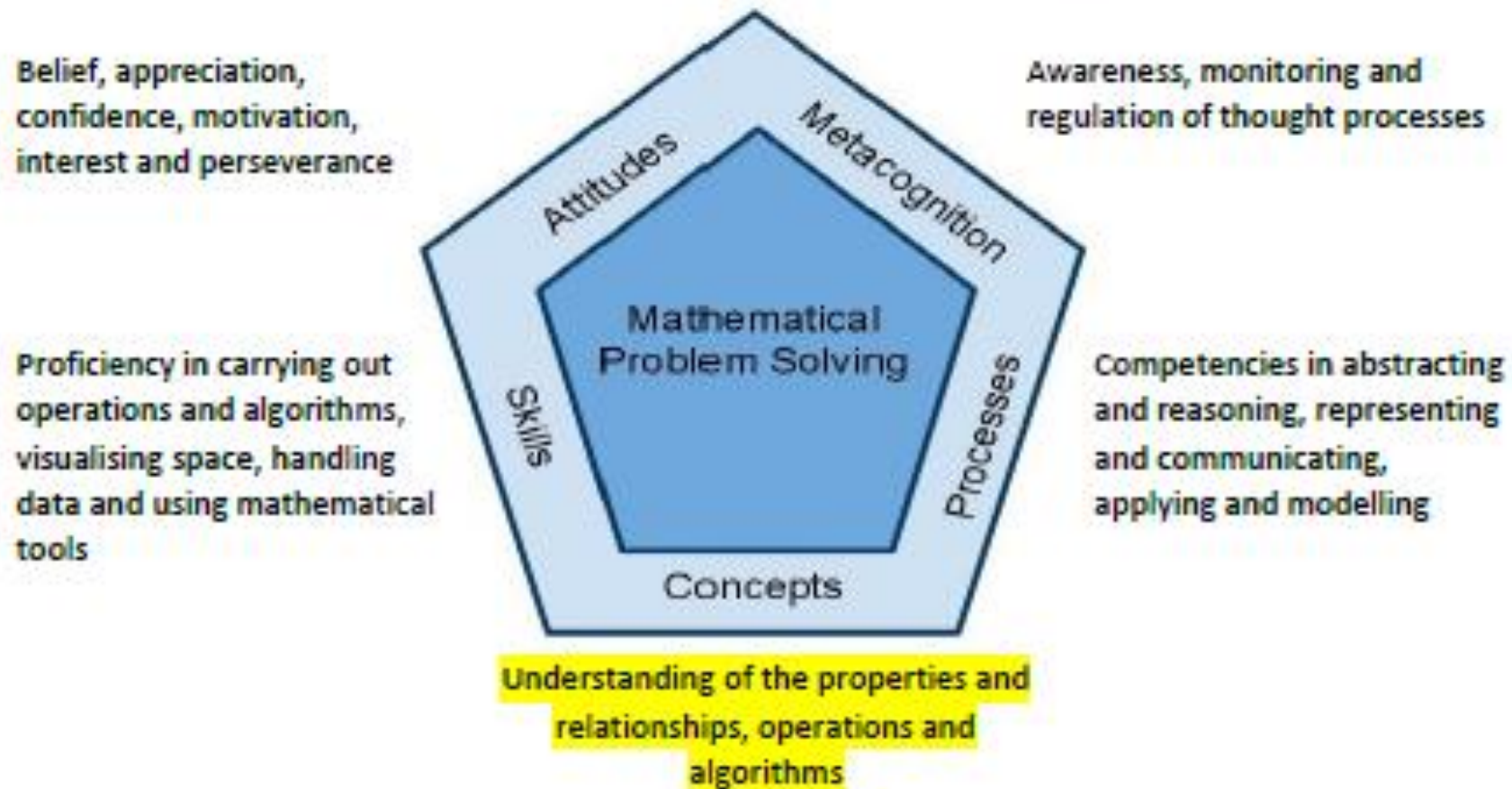
Mathematics

Primary 6



SINGAPORE MATHEMATICAL FRAMEWORK

Mathematics Curriculum Framework



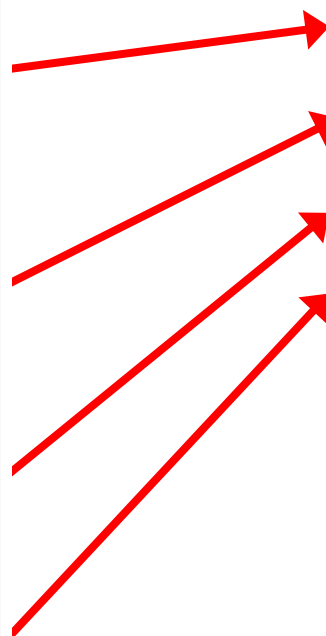


Topics at P5

Whole Numbers (10 Million)
Four Operations of Whole Numbers
Fractions
Area of Triangles
Volume
Ratio
Decimals
Rate
Percentage
Average
Angles
Properties of Triangles
Parallelogram, Rhombus and Trapezium

Topics at P6

Algebra
Fractions
Ratio
Percentage
Angles in Geometrical Figures
Circles
Speed
Volume
Pie Charts
Solid Figures and Nets





Topics at P5 FMA

Whole Numbers (10 Million)
Four Operations of Whole Numbers
Factors and Multiples
Fractions
Geometry
Time
Decimals
Perimeter, Area and Volume
Rate
Tables and Graphs

P6 FMA Topics

Fractions
Decimals
Percentage
Area and Perimeter
Average
Triangles, Rectangles and Squares
Pie Charts
Volume



Key Department Approaches & Programmes

- Sustained Support for Maths (SSM)
- Factual Fluency
- Note Taking
- STAR Heuristics Package (STAR Hpack)
- Enrichment **(For selected students only)**
 - Mathematics Olympiad Training (Semester 1)
 - Math Alive!

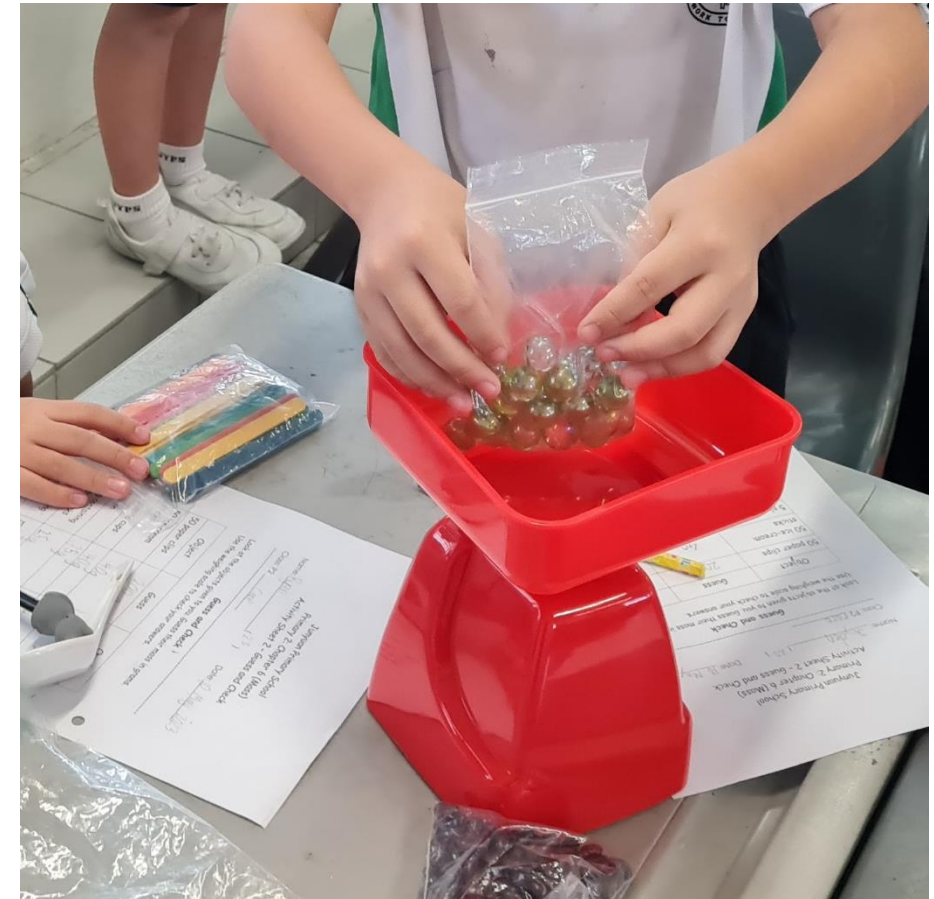
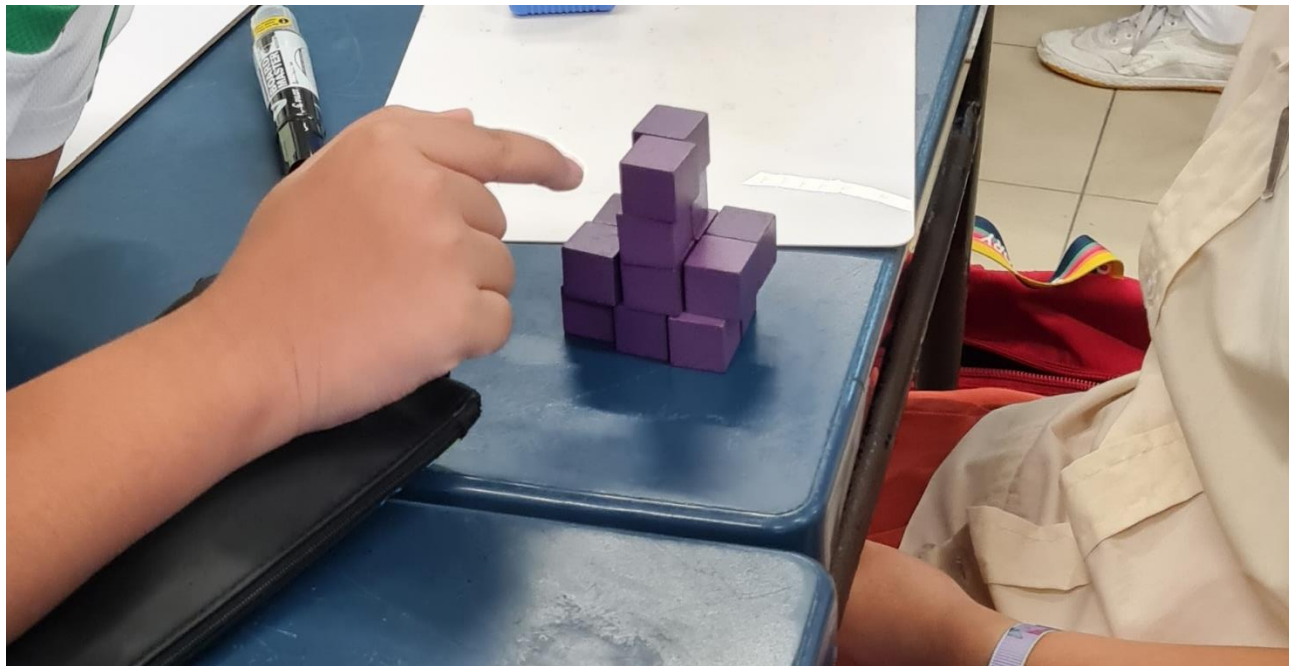


Sustained Support for Maths (SSM) Activity - based lessons





Sustained Support for Maths (SSM) Activity - based lessons



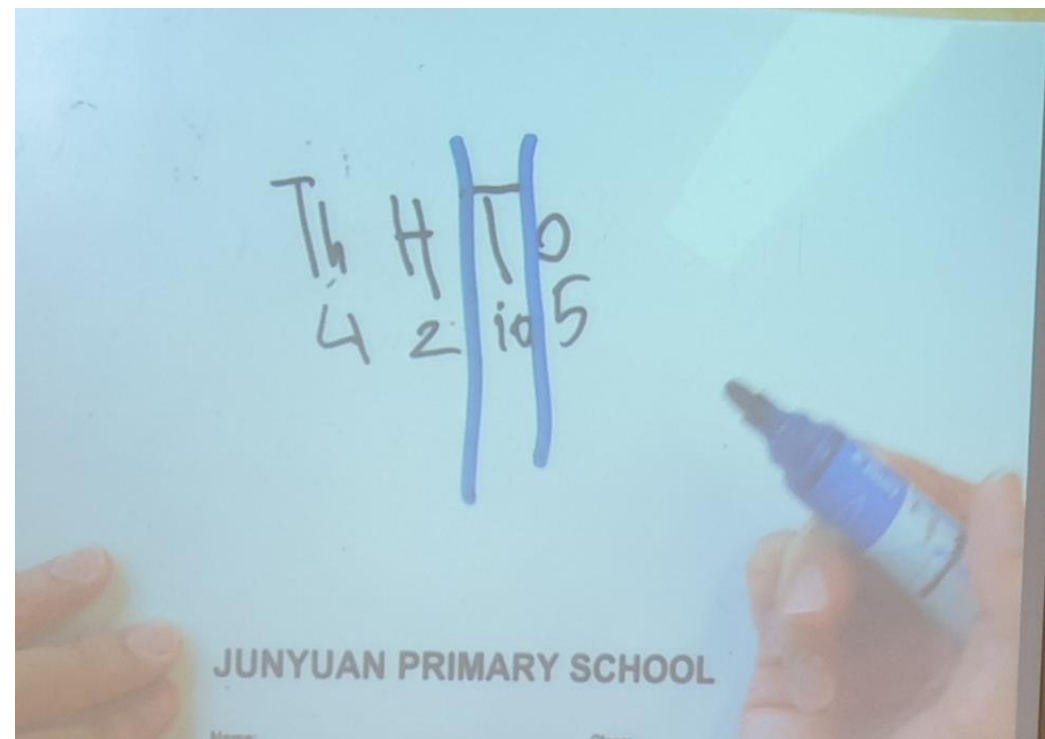
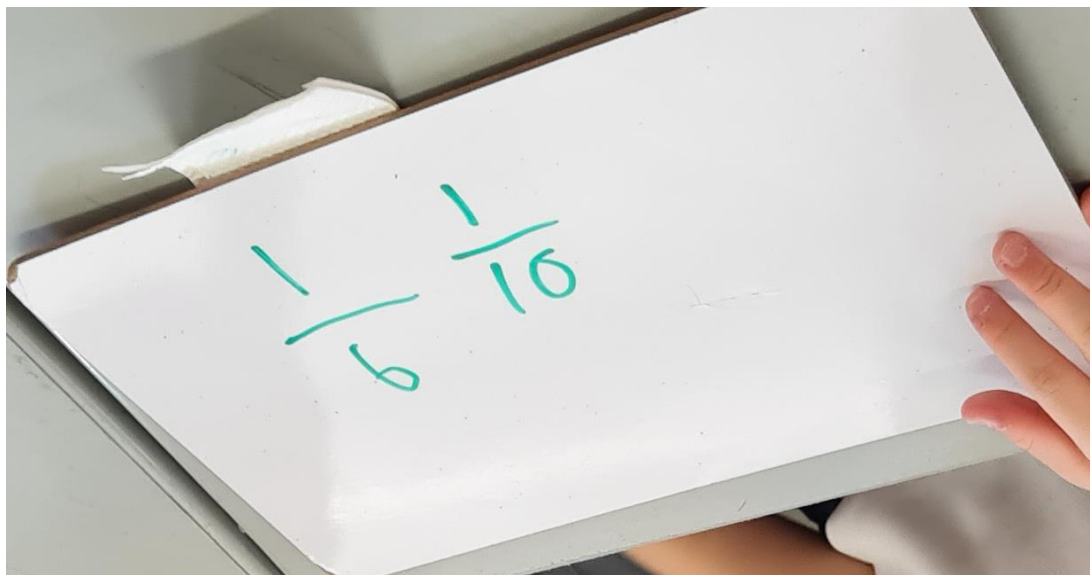


Sustained Support for Maths (SSM) Factual Fluency

Simplify the expression

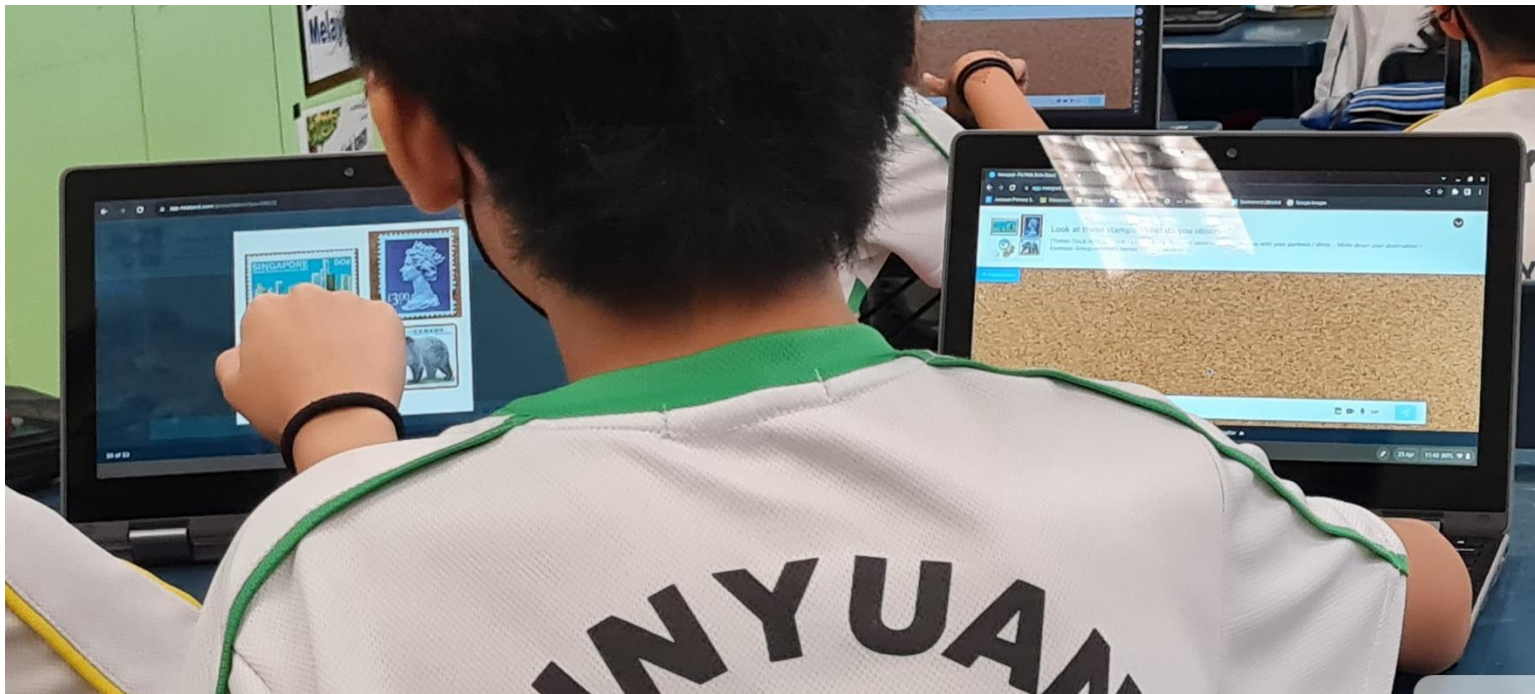


$$20p + 7 - 13p - 5$$





Sustained Support for Maths (SSM) ICT - based lessons





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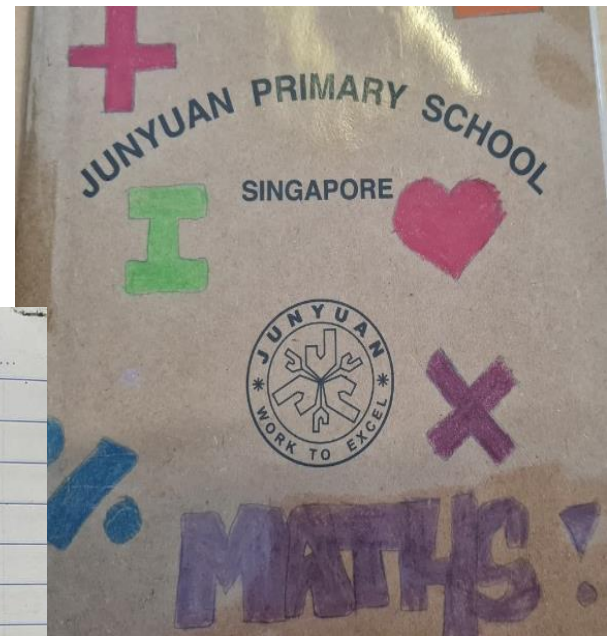
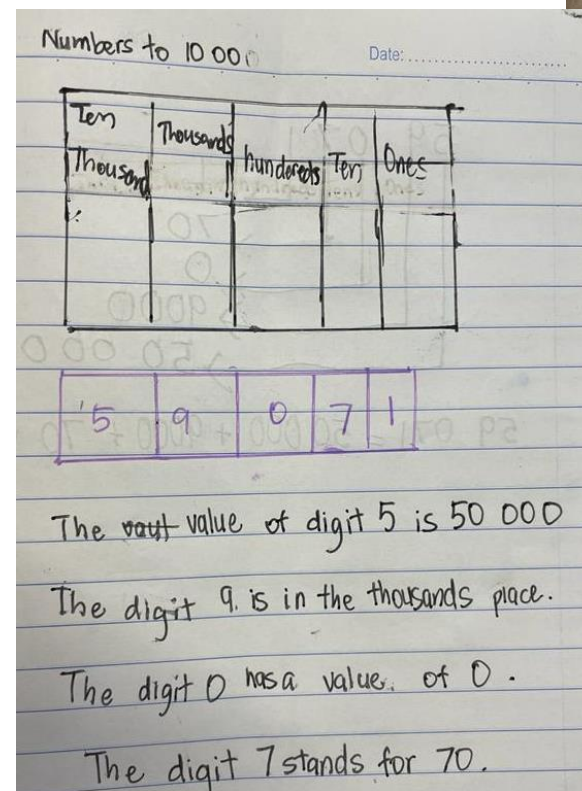
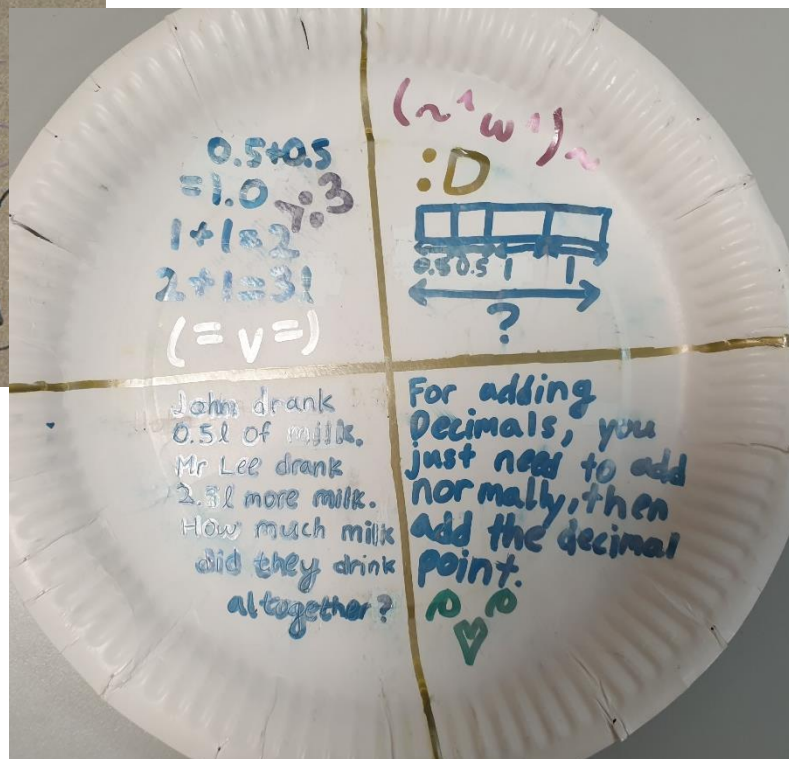
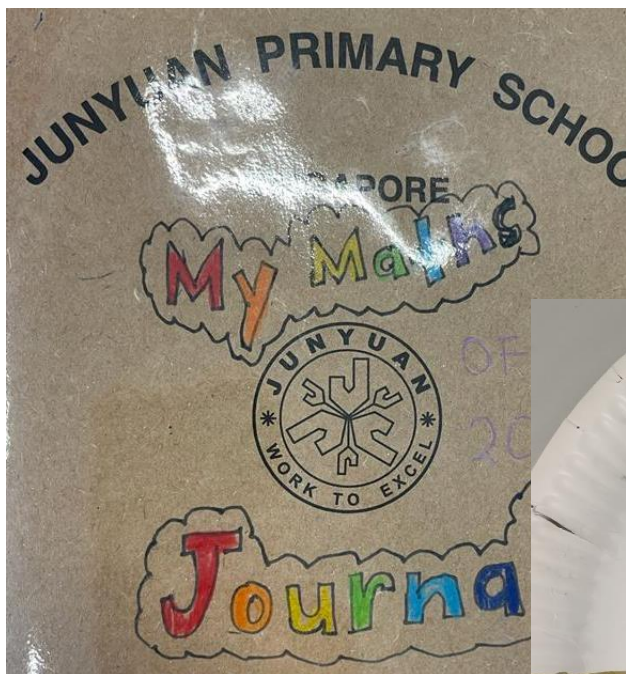
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Note Taking

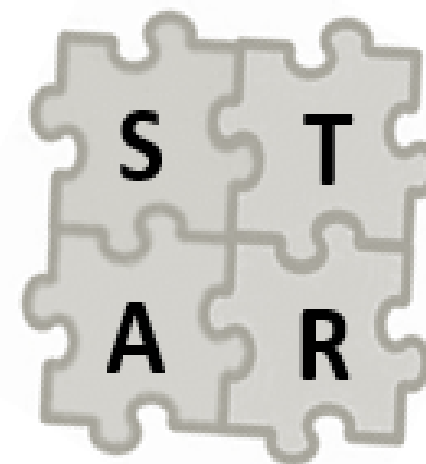




STAR Heuristics Package (STAR Hpack)

JUNYUAN PRIMARY SCHOOL
MATHEMATICS

STAR
SEE ~ THINK ~ ACT ~ RELOOK





STAR

Approach in Problem Solving



A



See what is given



Think of a plan



Act on my plan



Relook and check



Examples of Heuristics

- **Model Drawing**
e.g. Fractions of a remainder
- **Patterning**
- **Mixed Heuristics**



Assessment



Format of Prelims / PSLE

Paper	Booklet	Item Type	No. of qns	Marks per qns	Weighting	Duration
1	A	MCQ	10	1	10%	1 h
			5	2	10%	
	B	SAQ	5	1	5%	
			10	2	20%	
2		SAQ	5	2	10%	1 h 30 min
		LAQ	12	3 to 5	45%	
Total			47		100%	2 h 30 min



Format of Prelims / PSLE (Foundation)

Paper	Booklet	Item Type	No. of qns	Marks per qns	Marks	Duration
1	A	MCQ	10	1	10	1 h
			10	2	20	
	B	SAQ	10	2	20	
2		SAQ	10	2	20	1 h
		LAQ	6	3 to 4	20	
Total			46		90	2 h



Supporting our Students

- Relate Maths to daily life.
- Encourage active engagement in school's online platforms e.g. Koobits, SLS
- Encourage your child to ask questions and not to be afraid to try.
- Refer to textbooks / Mathematics Handbook (Orange file) / own notes taken during lessons



Online Maths Alive!

Workshop for parents (P5 and P6) (via Zoom)

Save the date!

26 April 2024

Details will be sent through PG
nearer the date



Primary 6 Curriculum Briefing 2024 - Frequent Asked Questions

Q: Are students allowed to use other methods to solve word problems instead of relying solely on models?

A:

Models are used to teach metacognition and visualization of unknowns. They help students to process information retrieved from the word problem. It is a powerful tool to enable students to identify the most effective method to solve the word problem.

Algebra at P6 is basic and is at introductory level.

Students who are able understand algebra well to solve word problems effectively and accurately can still use the algebra method. However, there will be certain packages e.g. STAR Heuristics Pack where the model method is explicitly taught, and students are expected to use this method to solve the questions.



*Thank
You!*