



Mathematics

Primary 6



Singapore Mathematical Framework

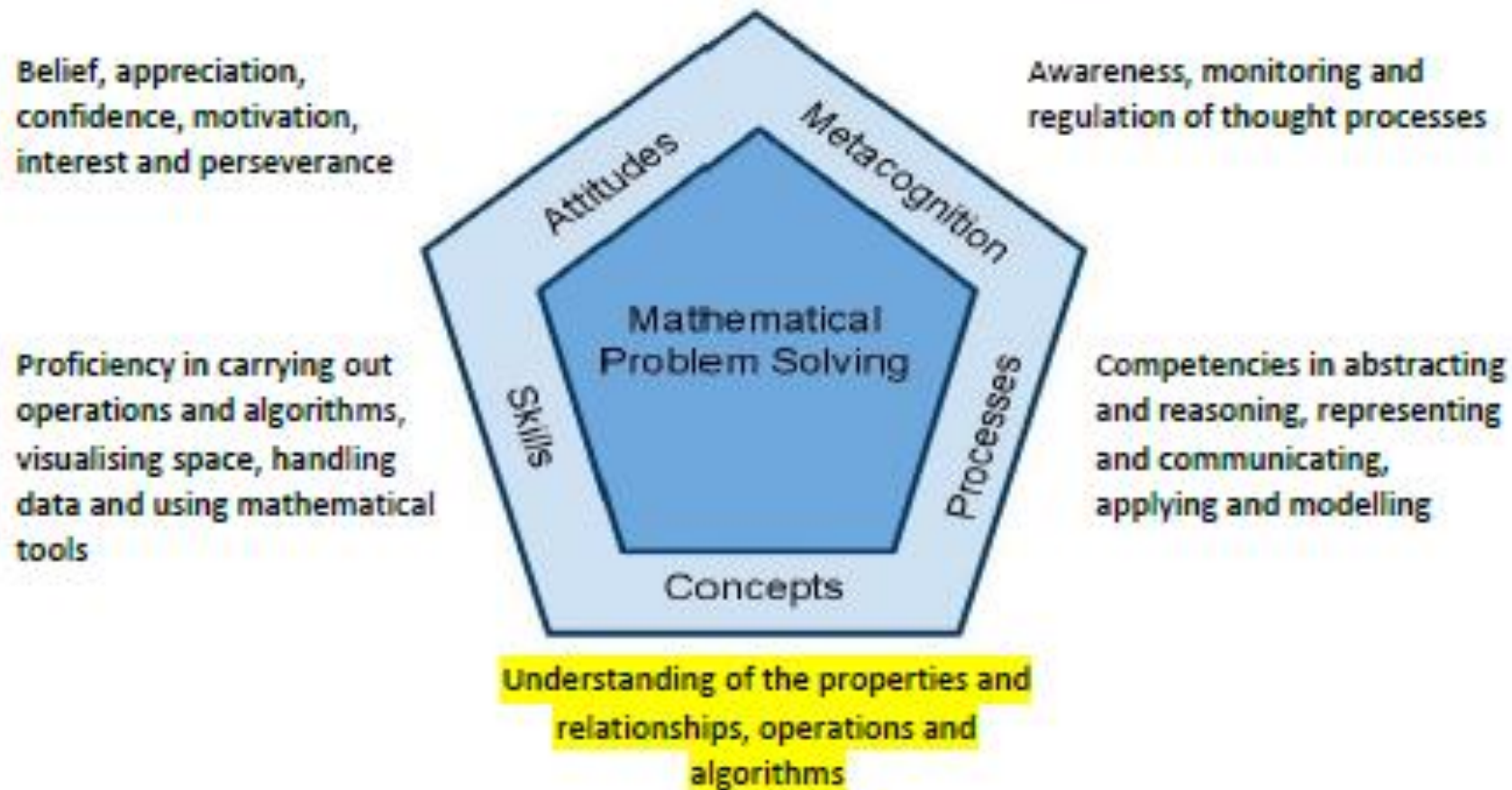
Key Department Approaches & Programmes

Strategies to support our students



SINGAPORE MATHEMATICAL FRAMEWORK

Mathematics Curriculum Framework



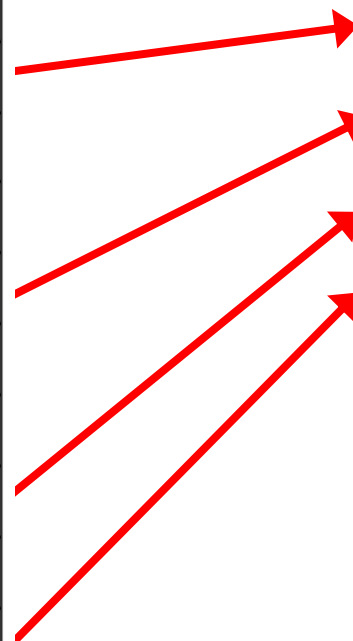


Topics at P5

Whole Numbers (10 <u>Million</u>)
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!

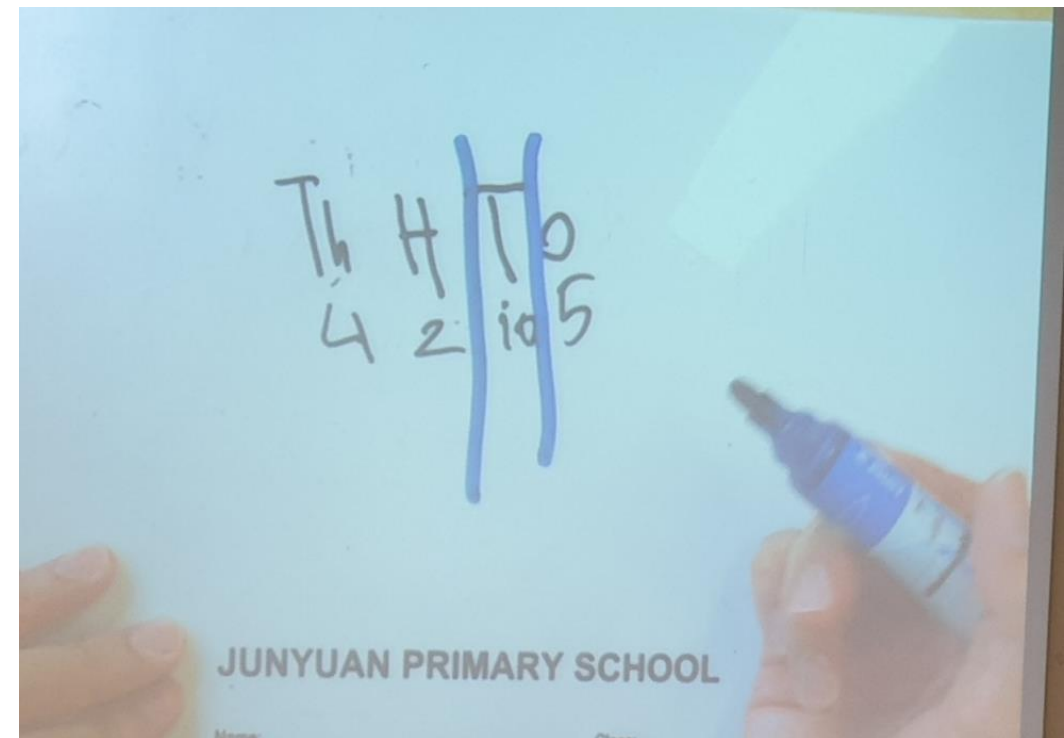
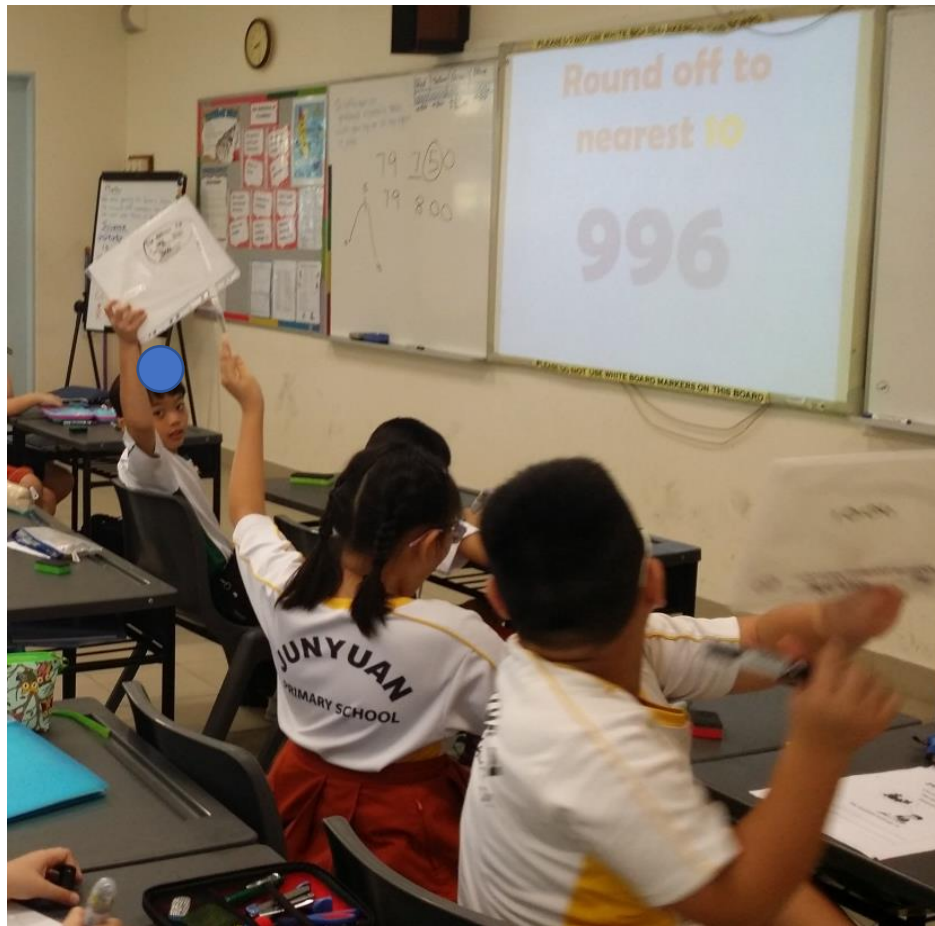


Sustained Support for Maths (SSM) Activity - based lessons





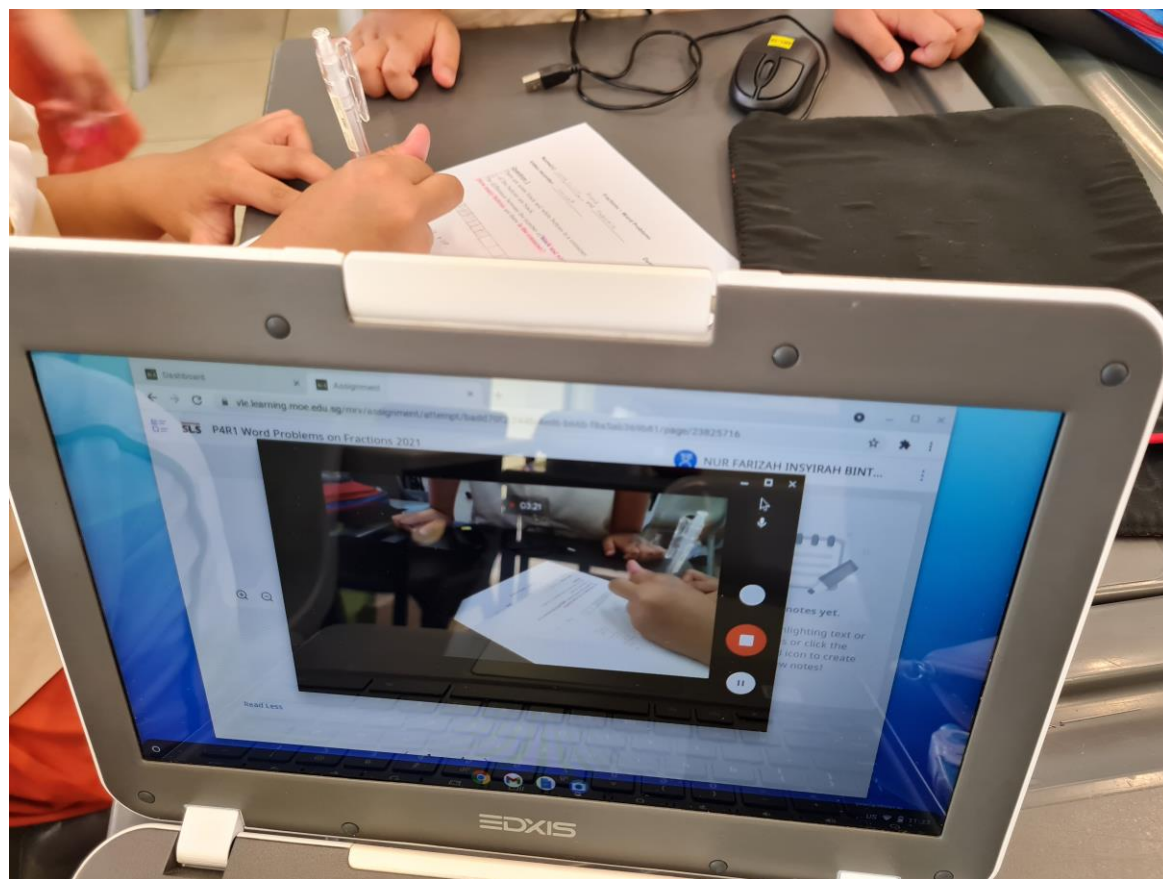
Sustained Support for Maths (SSM) Factual Fluency



Pictures were taken pre-Covid

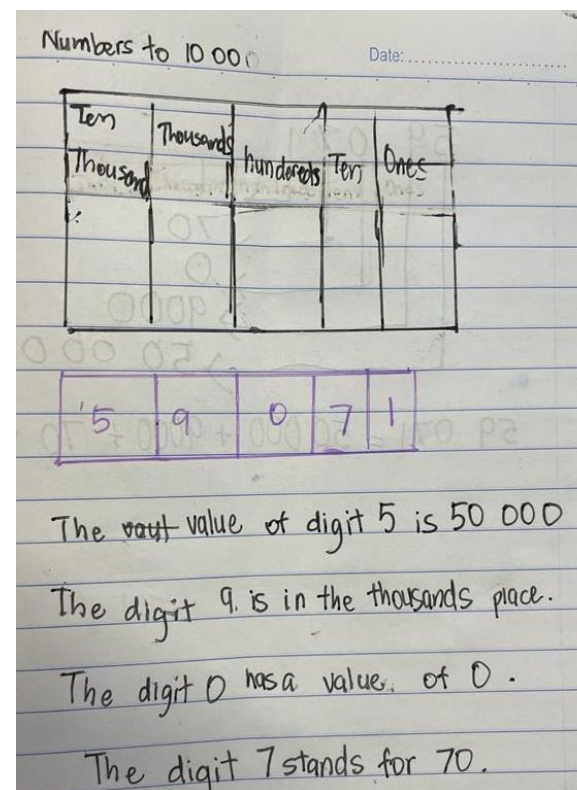
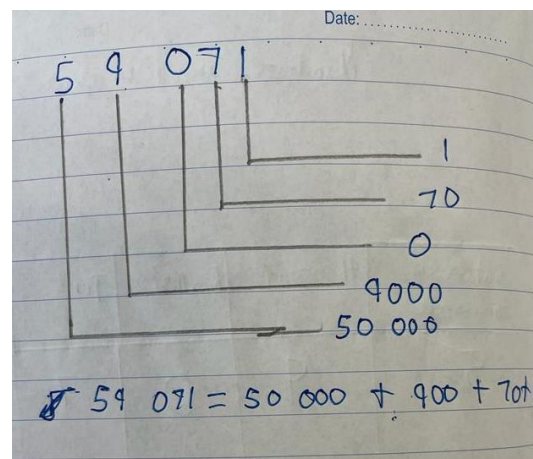
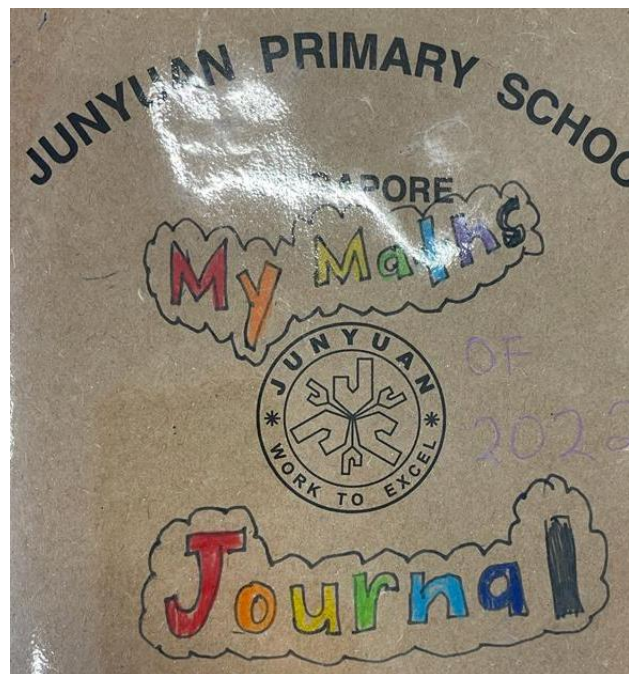


Sustained Support for Maths (SSM) ICT - based lessons





Note Taking

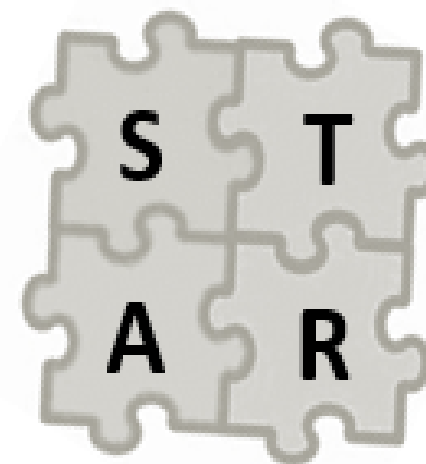




STAR Heuristics Package (STAR Hpack)

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
- **Guess and Check**
- **Working backwards**
- **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 (more details will be given by Math teachers later on), 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)

31 March 2023
2.30 p.m.



*Thank
You!*