



# Mathematics

## Primary 5



## Singapore Mathematical Framework

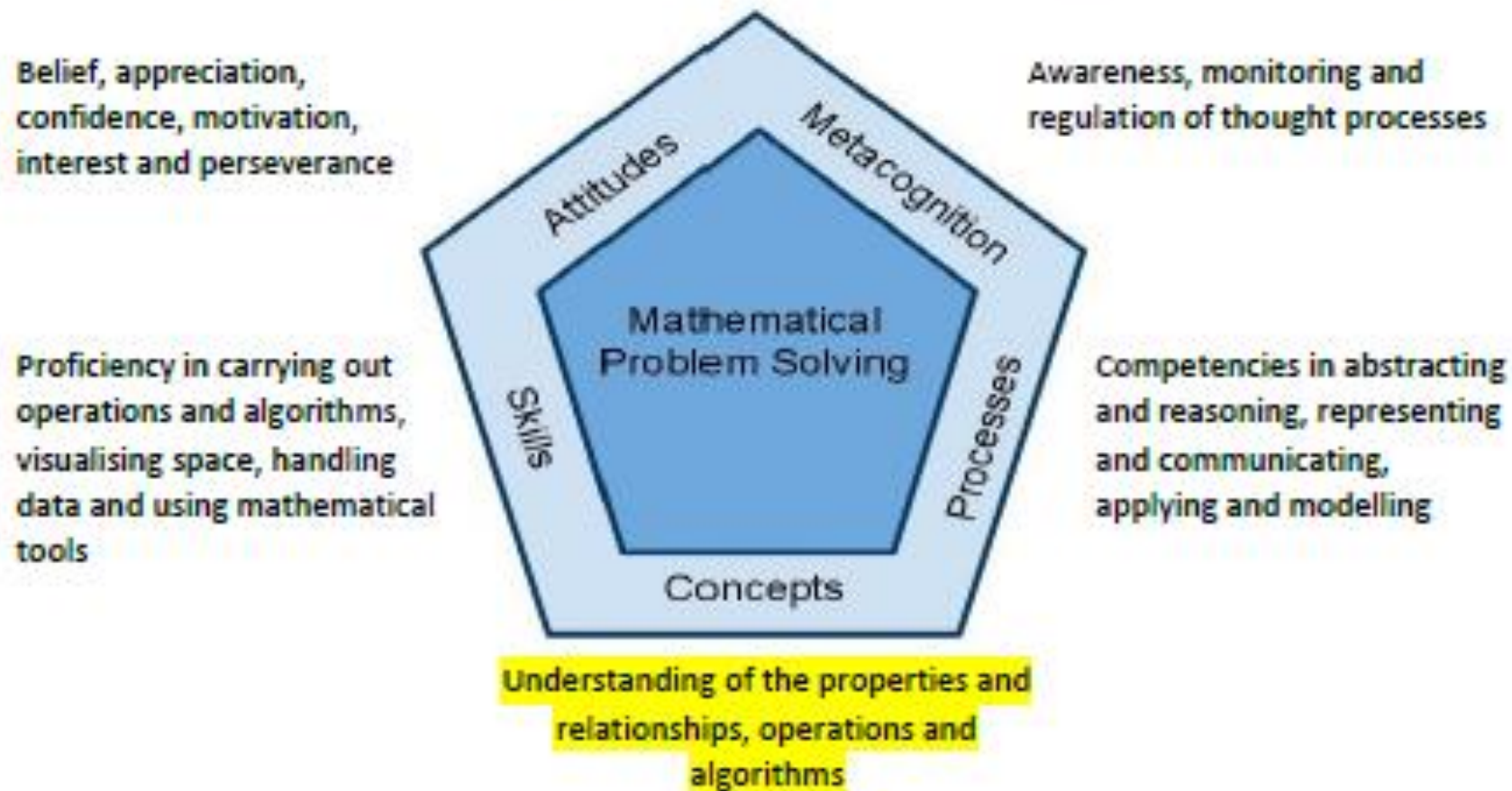
## Key Department Approaches & Programmes

## Strategies to support our students



## SINGAPORE MATHEMATICAL FRAMEWORK

### Mathematics Curriculum Framework



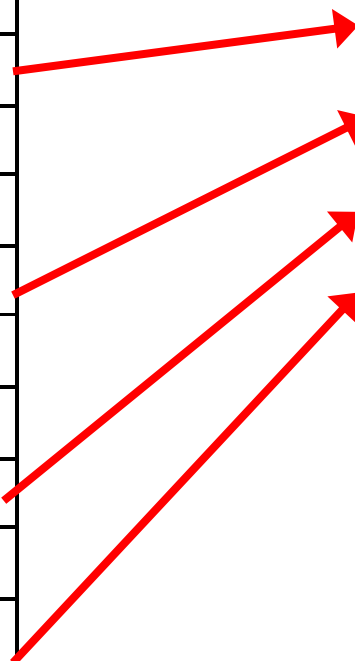


## Topics at P5

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)
  - Maths Excellence 2000 (E2K) Programme



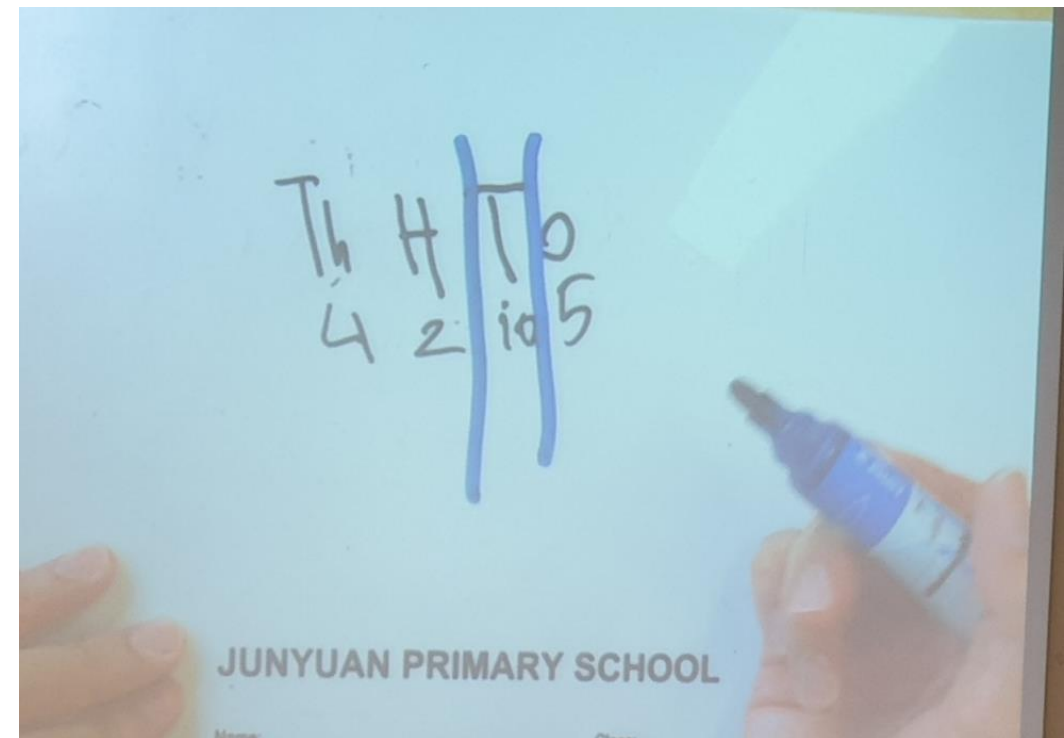
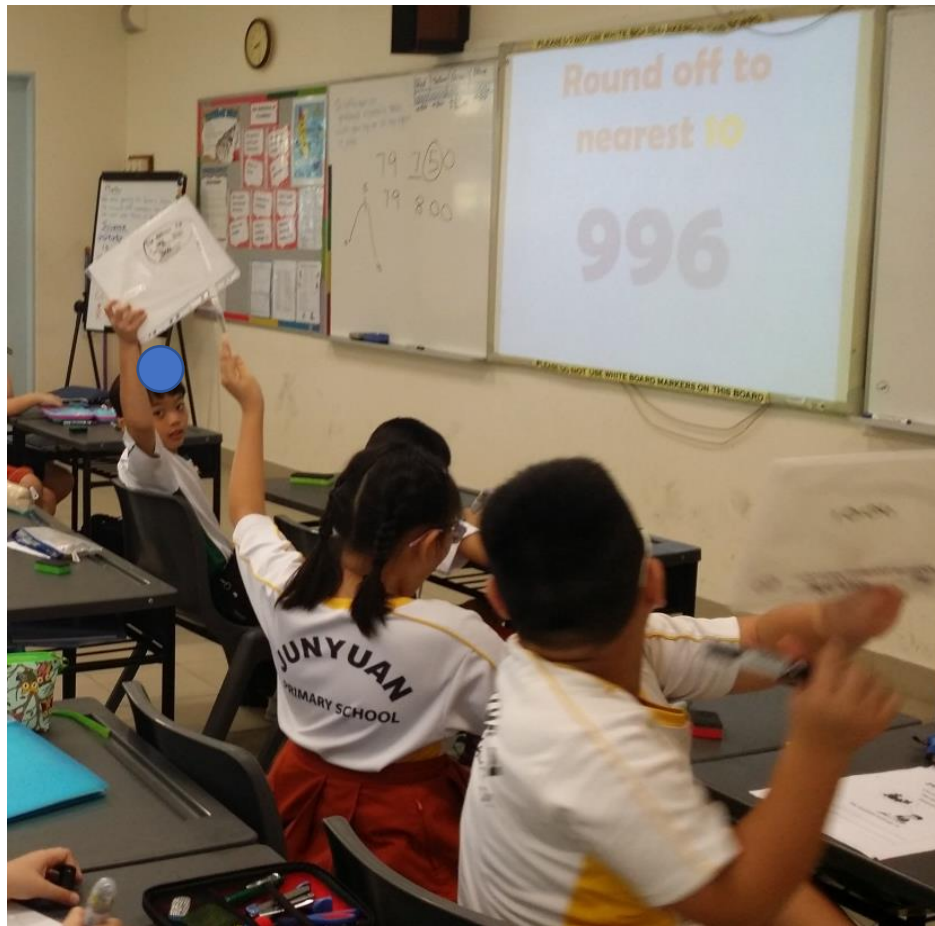


## Sustained Support for Maths (SSM) Activity - based lessons





## Sustained Support for Maths (SSM) Factual Fluency

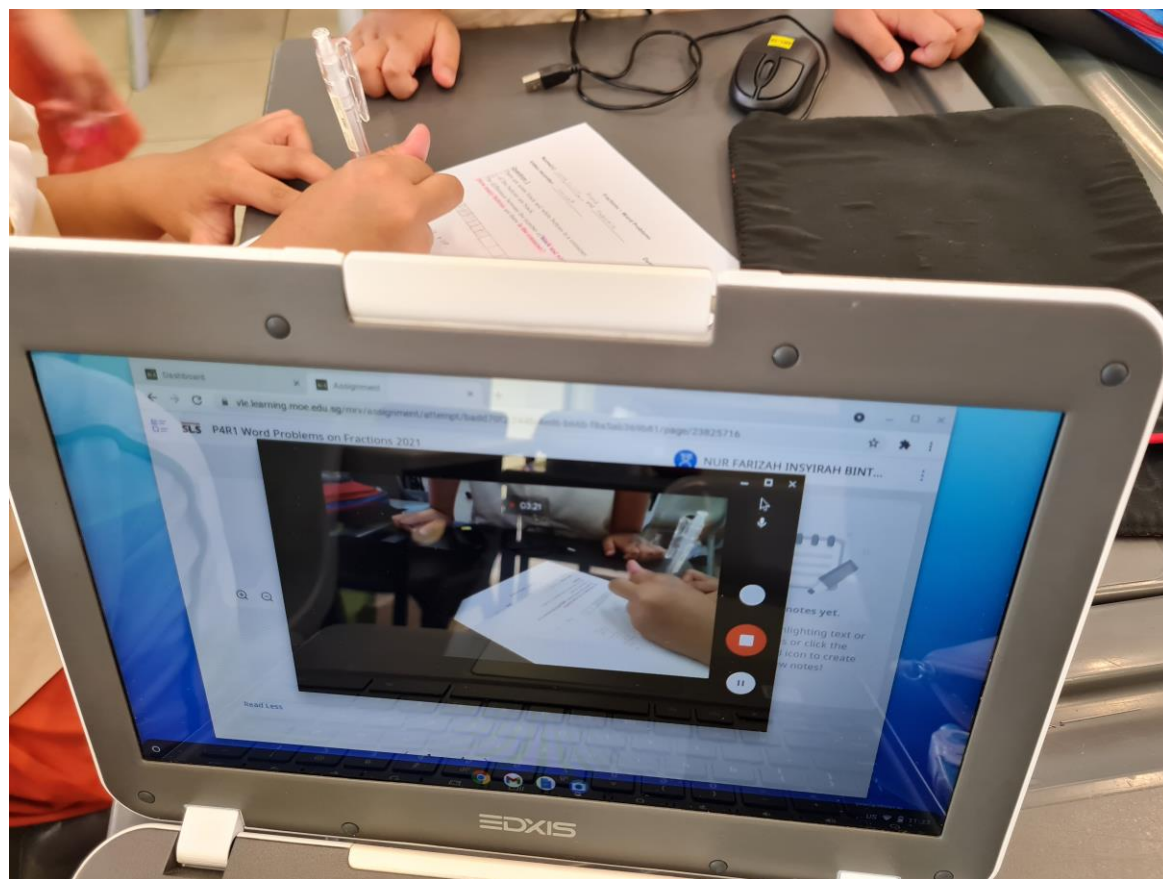


*Pictures were taken pre-Covid*



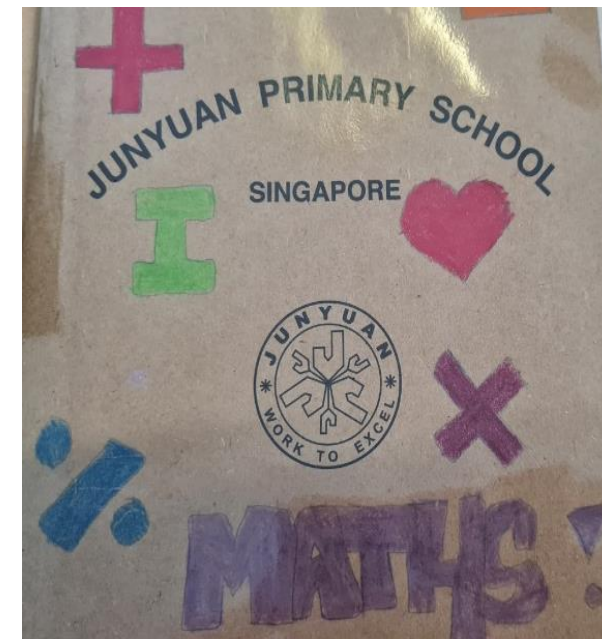
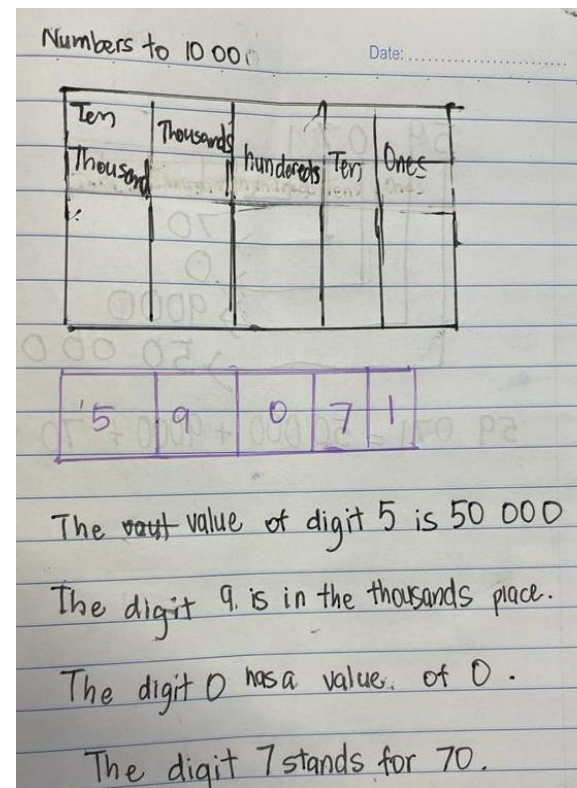
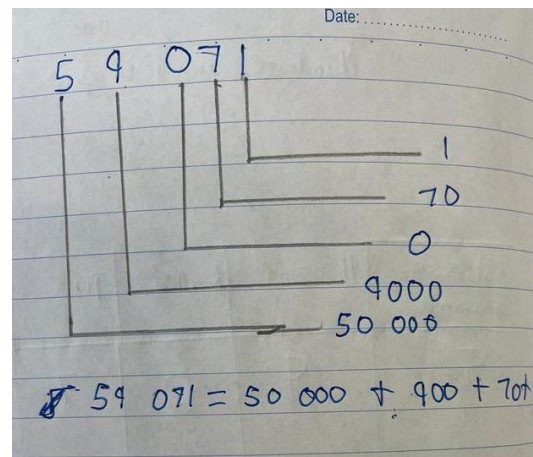
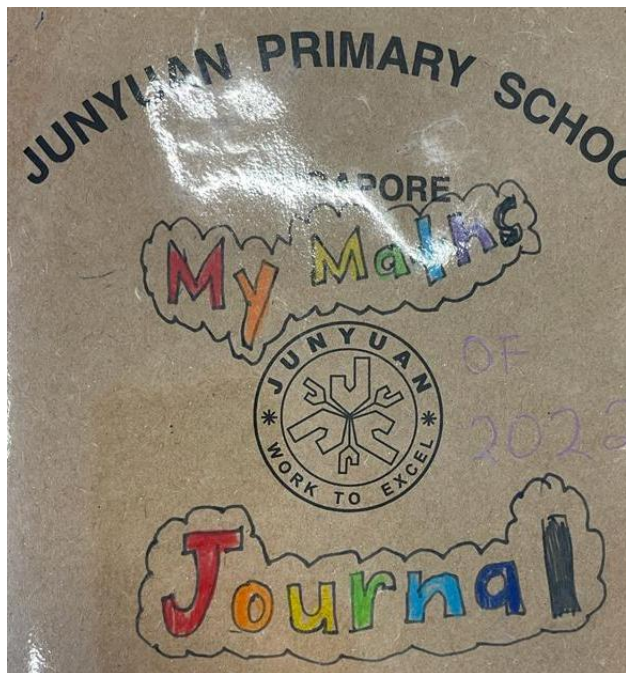


## Sustained Support for Maths (SSM) ICT - based lessons





# Note Taking







# **STAR Heuristics Package (STAR Hpack)**

JUNYUAN PRIMARY SCHOOL  
MATHEMATICS

STAR

SEE ~ THINK ~ ACT ~ RELOOK





## STAR

### Approach in Problem Solving



**A**



**S**ee what is given



**T**hink of a plan



**A**ct on my plan



**R**elook and check



# Examples of Heuristics

- **Model Drawing e.g. Stacking method, Fractions of a remainder**
- **Guess and Check**
- **Working backwards**
- **Restate the problem**



# Assessment





## Format of EYE

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 EYE (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 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!*