



**JUNYUAN PRIMARY SCHOOL**

Future-Ready Learners . Leaders of Character

# Mathematics

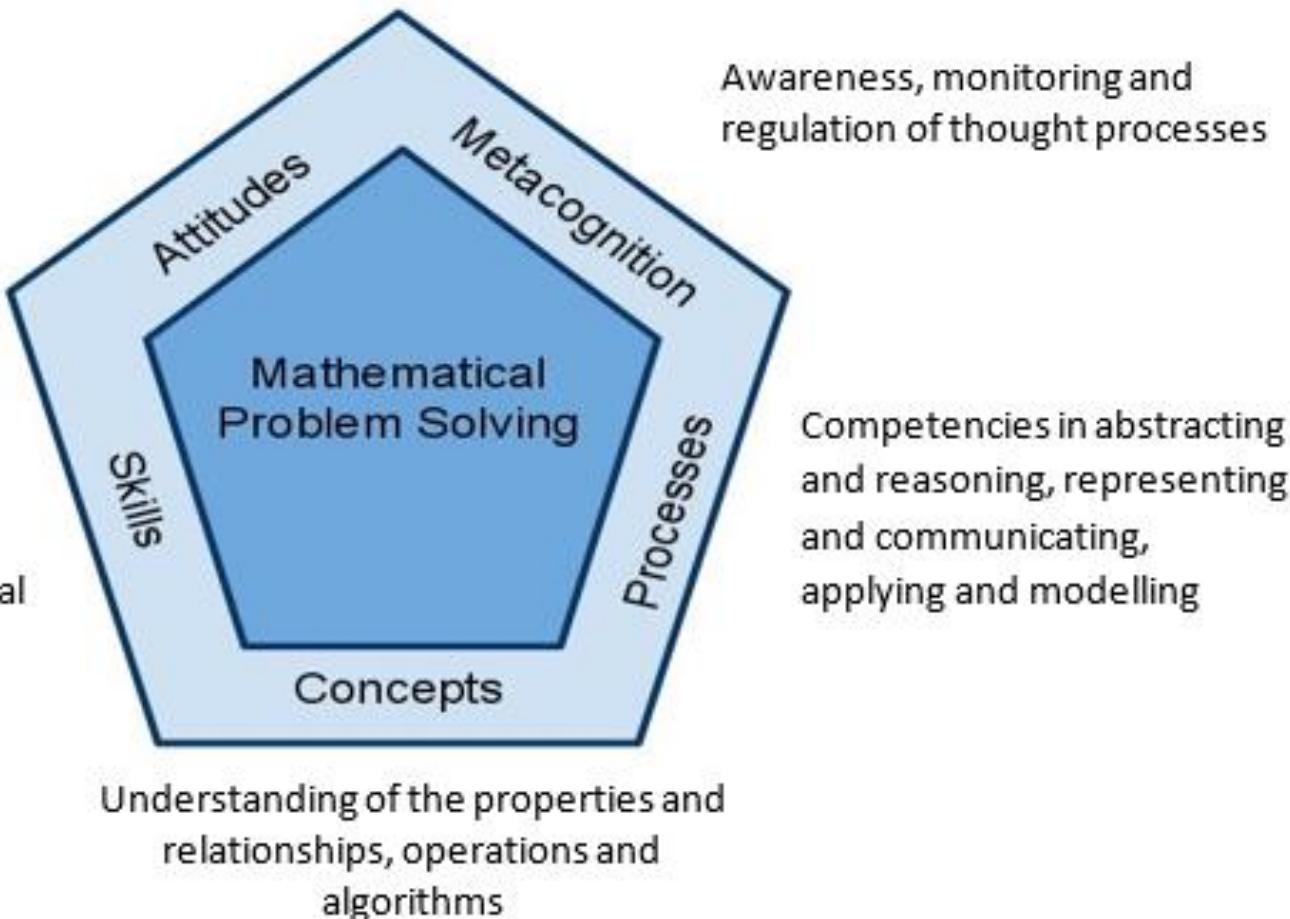
# Primary 6



# Mathematics Curriculum Framework

Belief, appreciation, confidence, motivation, interest and perseverance

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





# Topics at P6 MA

Fractions

Ratio

Percentage

Angles in Geometrical Figures

Circles

Volume of Cube and Cuboid

Average

Algebra

# Topics at P6 FMA

Fractions

Decimals

Percentage

Average

Volume

Pie Chart

Area of Triangle

Properties of Triangles

Angles in Triangles, Squares and Rectangles



## Key Department Approaches & Programmes

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



# Sustained Support for Maths (SSM)

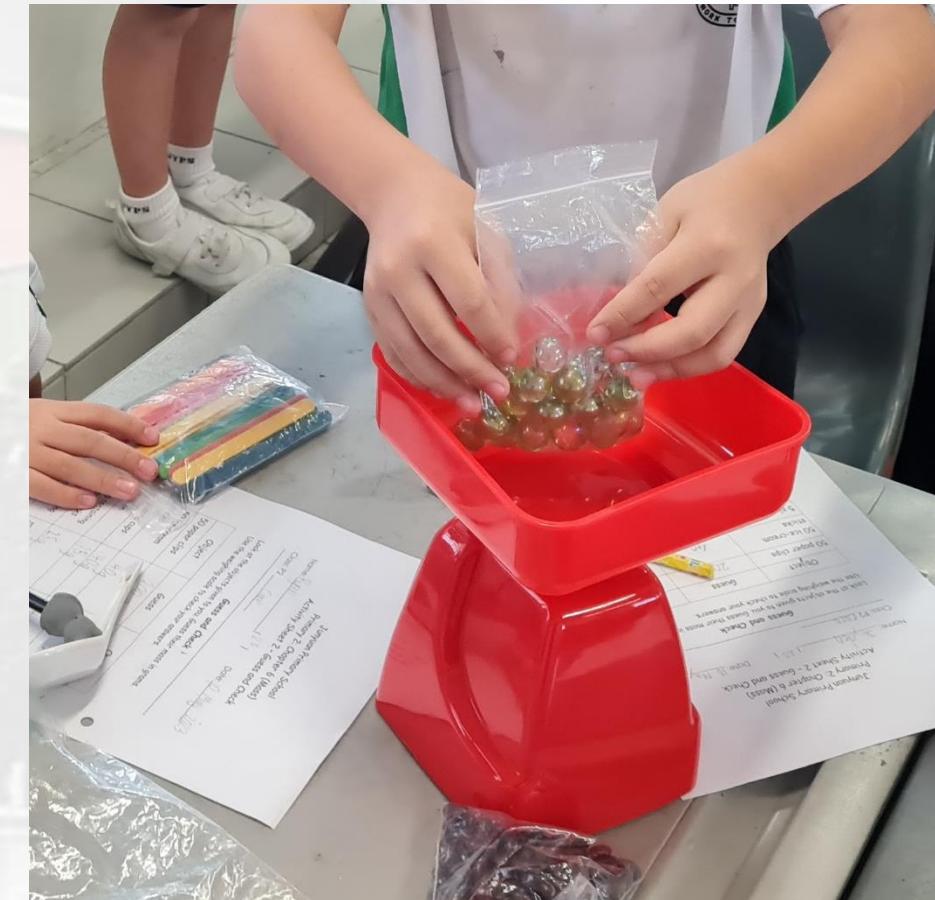
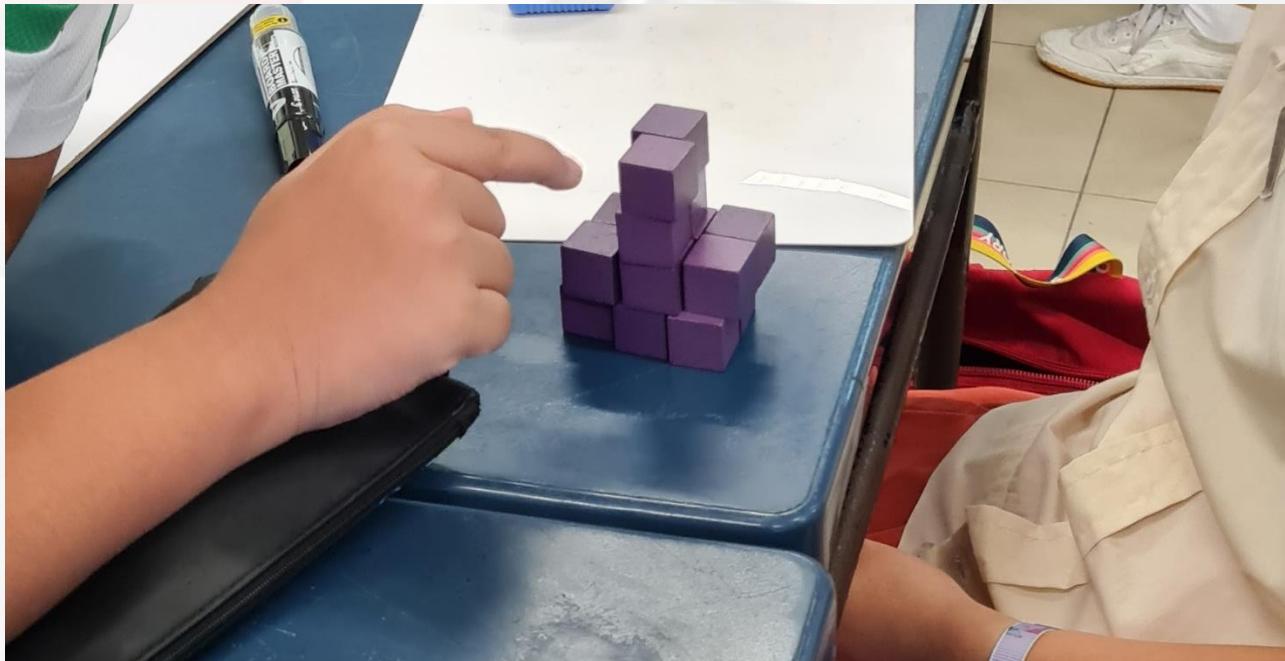
## Activity - based lessons





# Sustained Support for Maths (SSM)

## Activity - based lessons





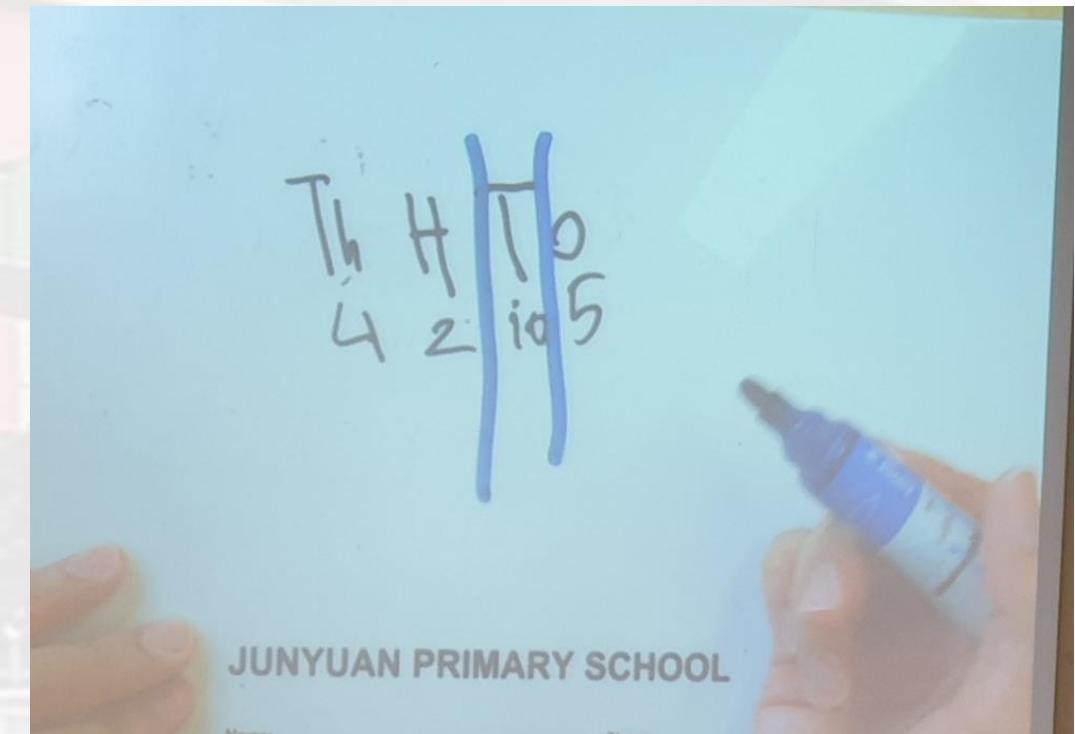
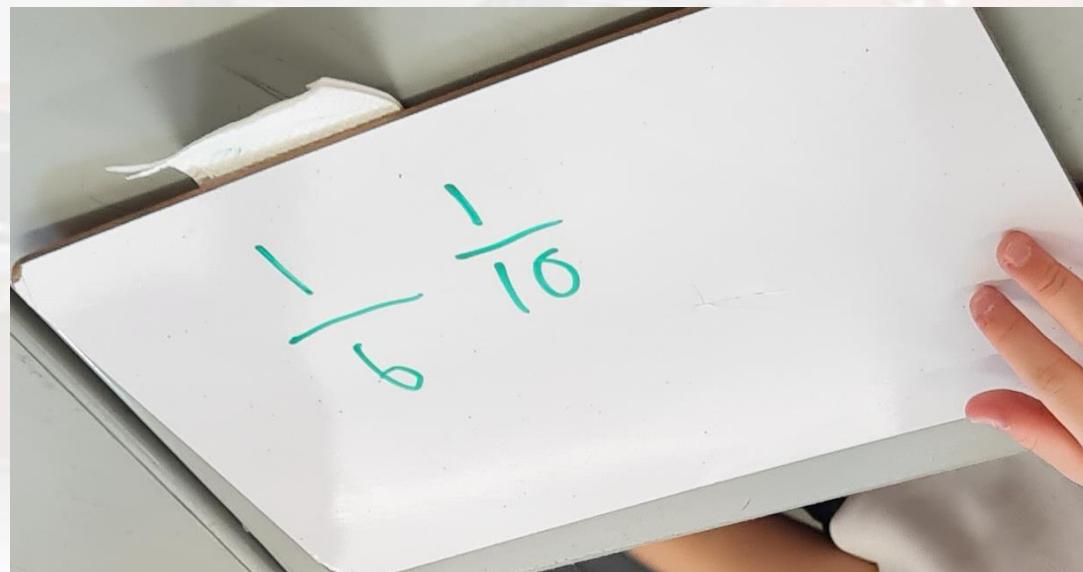
# Sustained Support for Maths (SSM)

## Factual Fluency

Simplify the expression

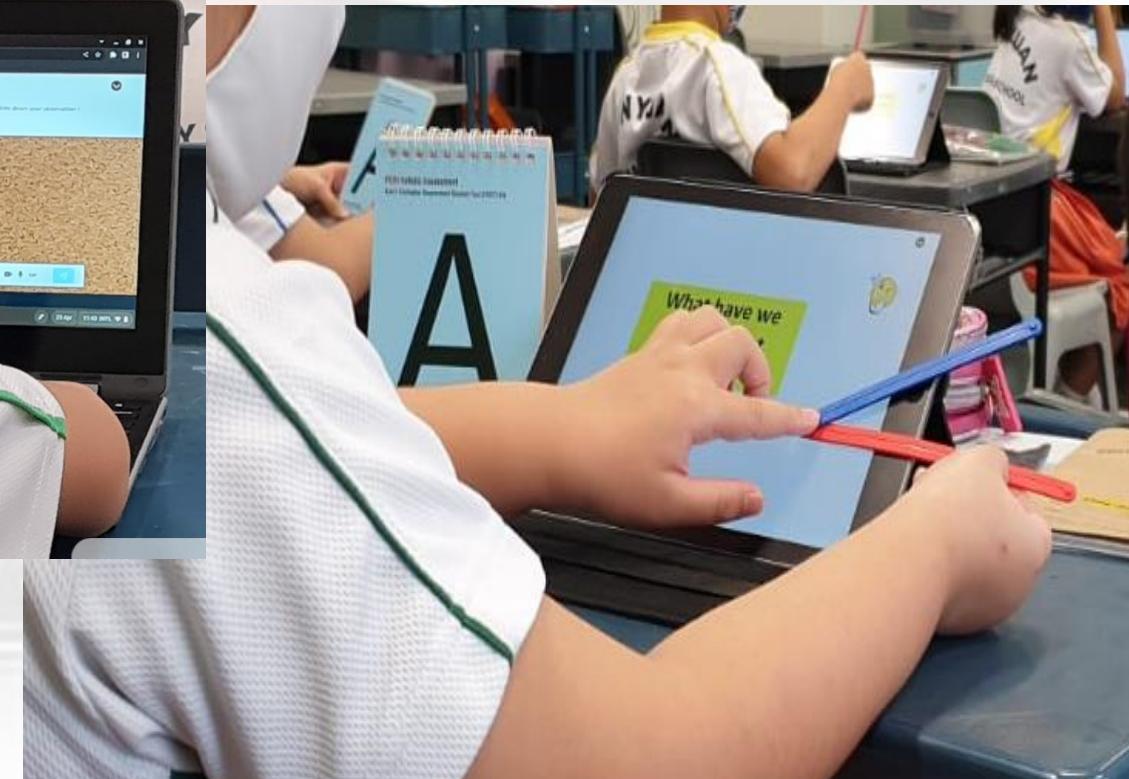
 Slide Drawing

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



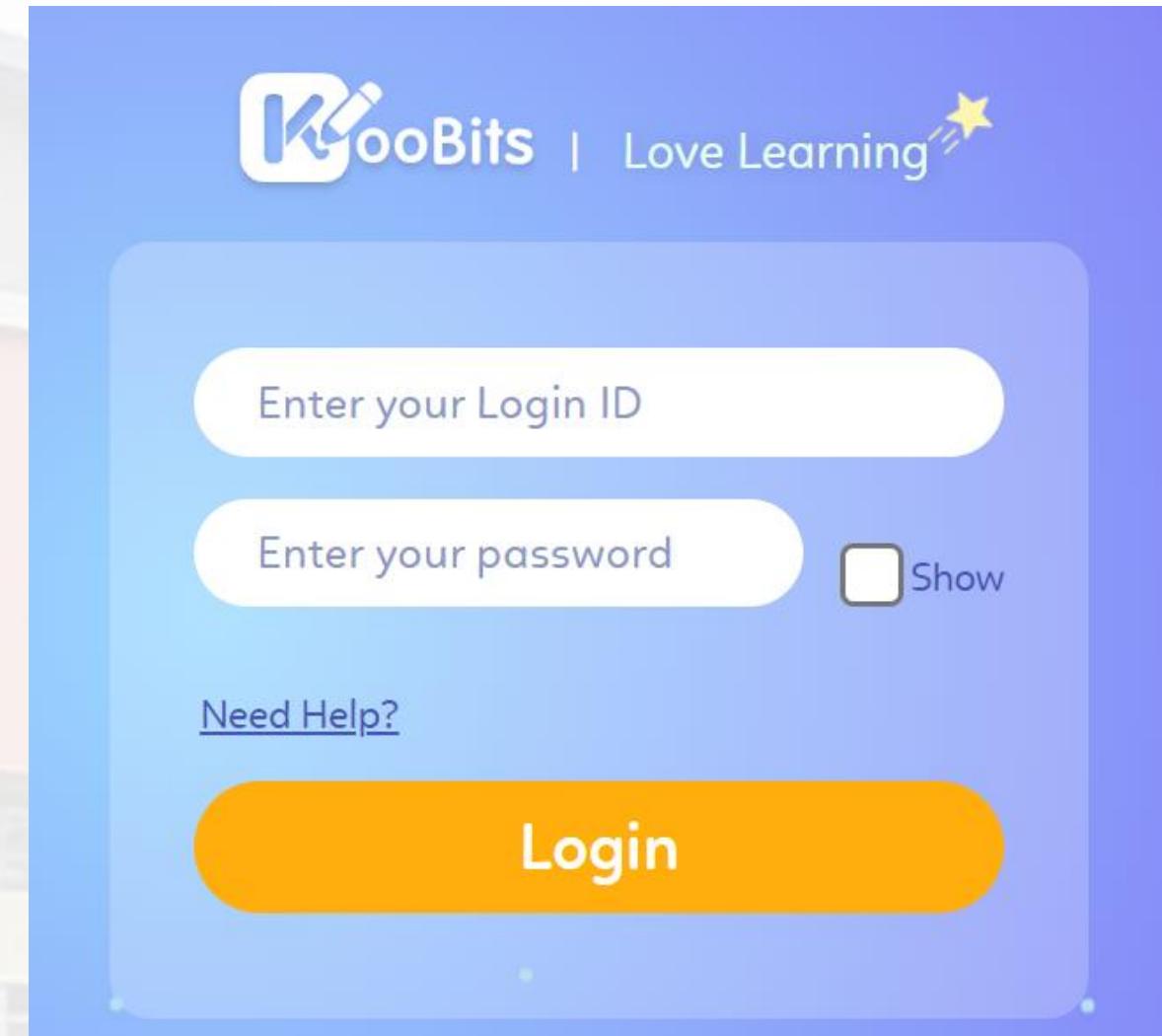


# Sustained Support for Maths (SSM) ICT - based lessons



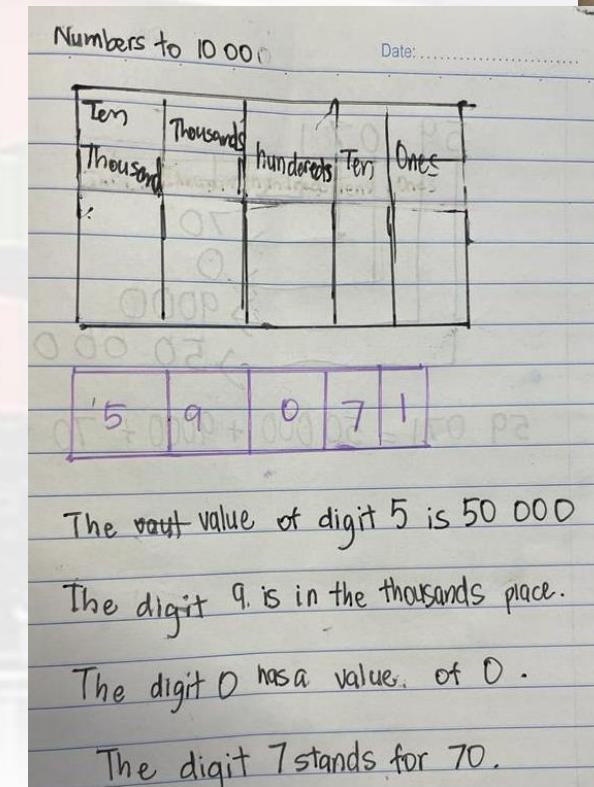
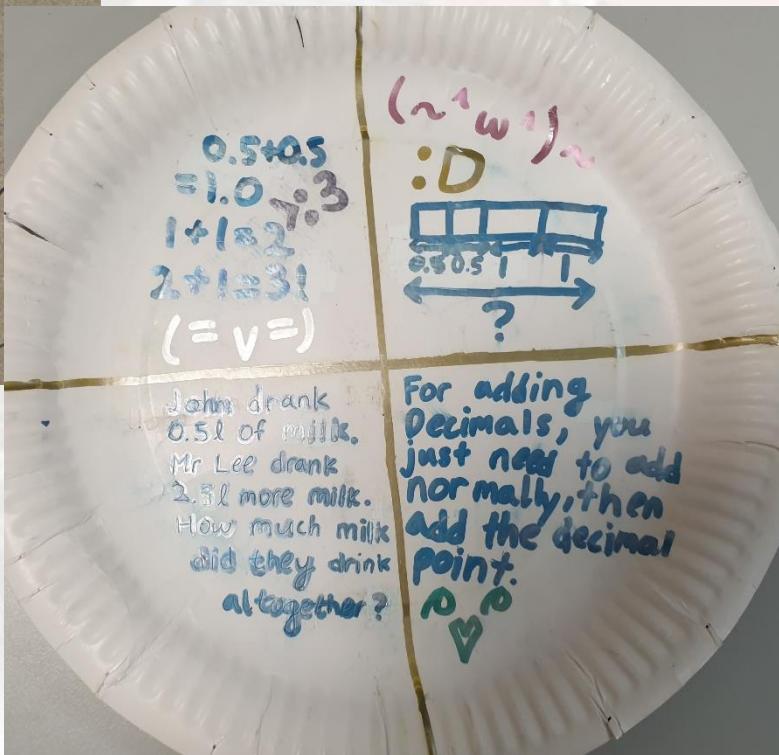
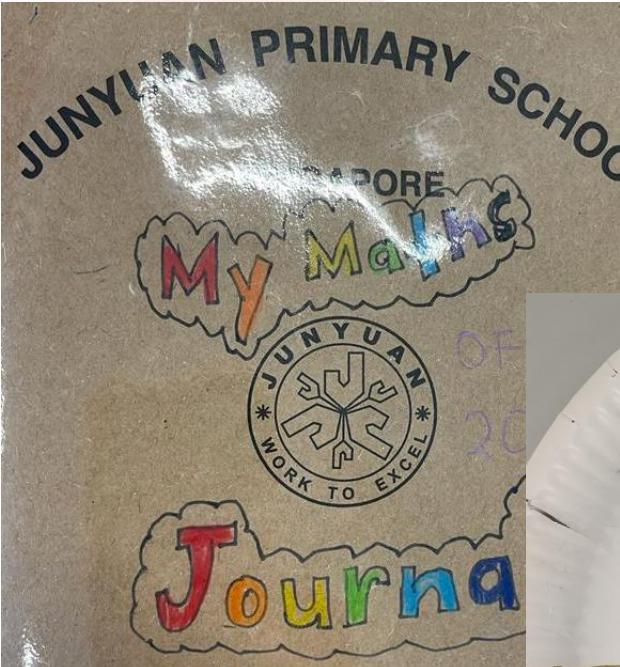


# KooBits





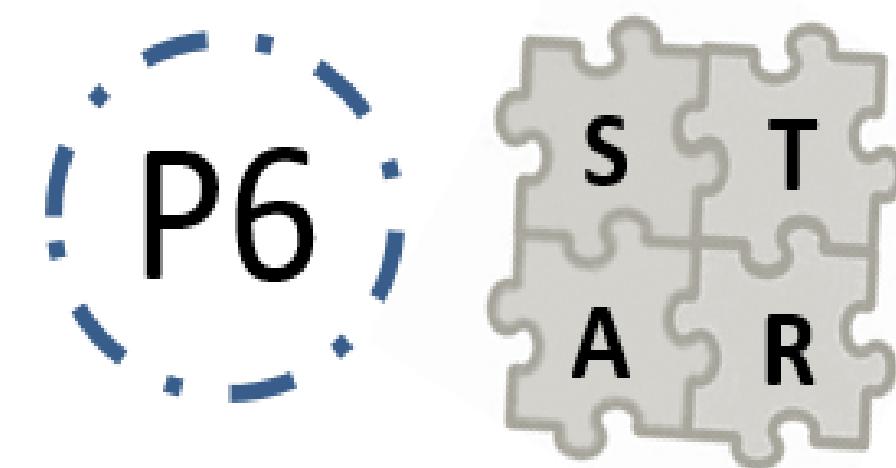
# Note Taking





# STAR Heuristics Package (STAR Hpack)

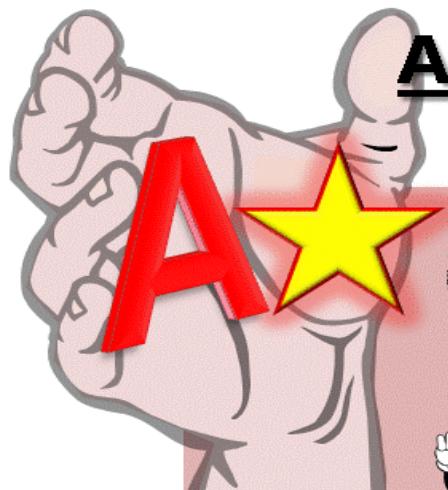
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MATHEMATICS





# STAR

## Approach in Problem Solving



**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. Fractions of a remainder
- Patterning
- Mixed Heuristics



# Assessment

Non weighted Assessments (NWA)

Preliminary Examination (Prelims)

# Format of NWA (Standard)



Section	Item Type	Number of Questions	Allocation of Marks per Question	Duration
A	MCQ	6	2	
B	SAQ	10	2	50 min
C	LAQ	2	4	



# Format of NWAs(Foundation)

Section	Item Type	Number of Questions	Allocation of Marks per Question	Duration
A	MCQ	7	1 – 2	
B	SAQ	8	1 – 2	50 min
C	LAQ	2	3 or 4	



# Format of Prelims / PSLE (Standard)

Paper	Booklet	Item Type	No. of qns	Marks per qns	Weighting	Duration
1	A	MCQ	10	1	10%	1h 10 min
			8	2	16%	
	B	SAQ	12	2	24%	
2		SAQ	5	2	10%	1h 20 min
		LAQ	10	3 to 5	40%	
<b>Total</b>			<b>45</b>		<b>100%</b>	<b>2h 30 min</b>



# Format of Prelims / PSLE (Foundation)

Paper	Booklet	Item Type	No. of qns	Marks per qns	Marks	Duration
1	A	MCQ	10	1	10	1h
			10	2	20	
2		SAQ	8	2	16	45 min
		SAQ	10	2	20	
		LAQ	4	3 to 4	14	
<b>Total</b>			<b>42</b>		<b>80</b>	<b>1h 45 min</b>



# 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 (via MS Teams)

Save the date!

17 April 2026

Details will be sent via PG nearer  
the date



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Thank You!