



JUNYUAN PRIMARY SCHOOL

Future-Ready Learners . Leaders of Character

Mathematics

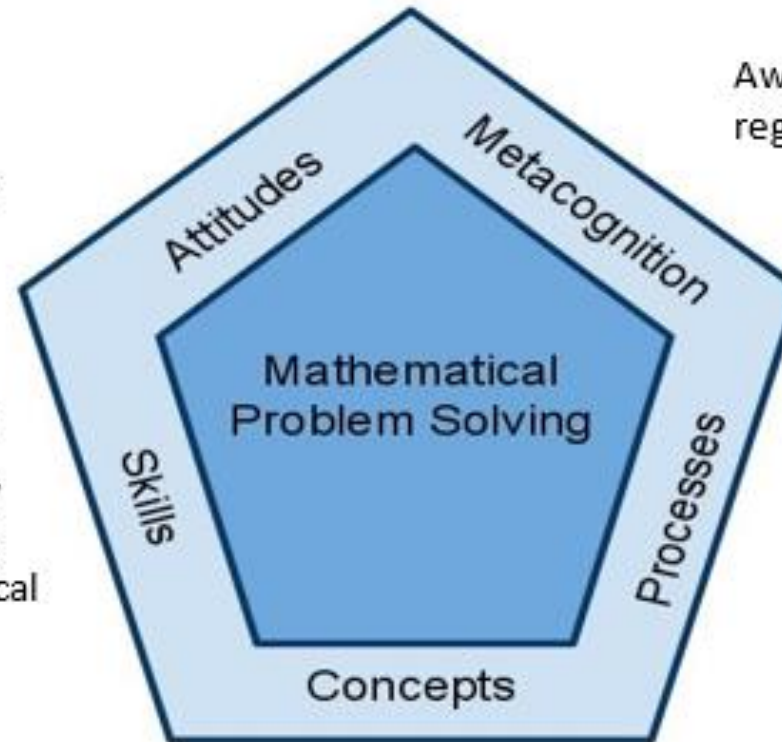
Primary 5



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



Awareness, monitoring and
regulation of thought processes

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

Understanding of the properties and
relationships, operations and
algorithms



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)

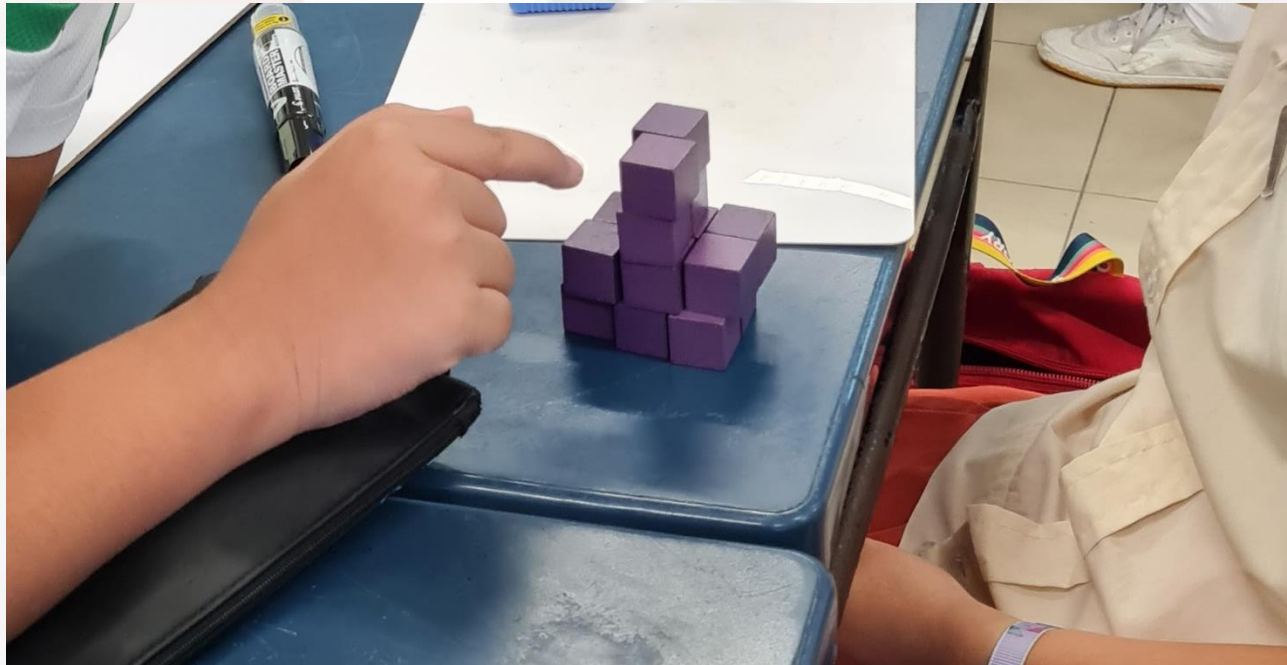
Activity - based lessons





Sustained Support for Maths (SSM)

Activity - based lessons

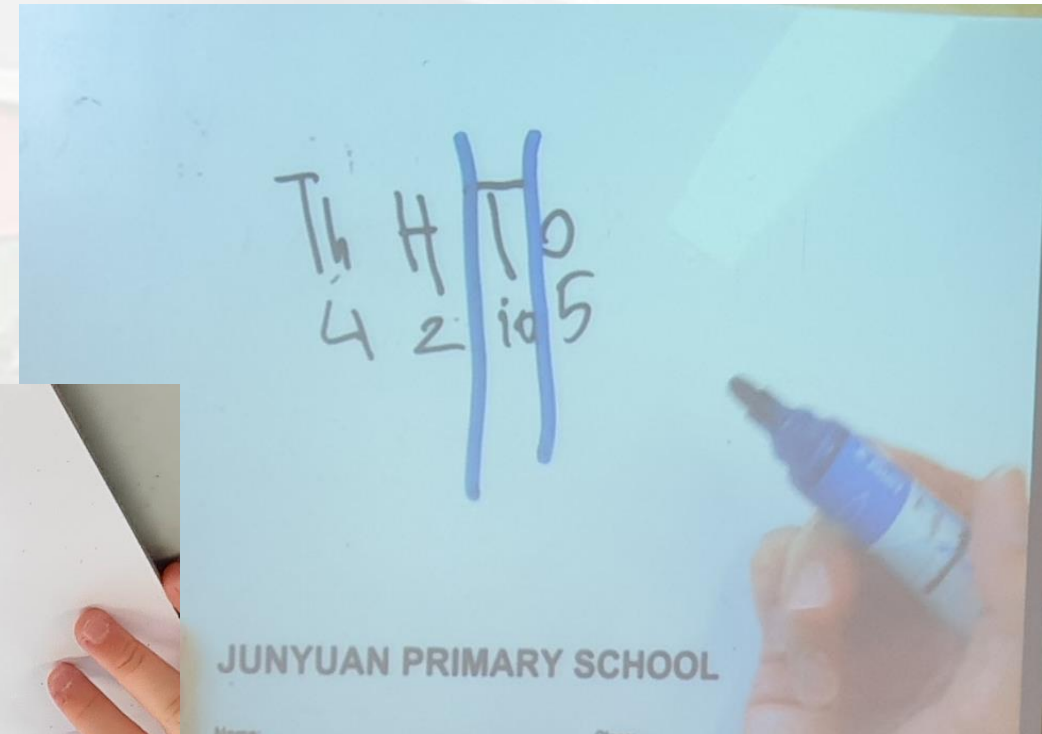
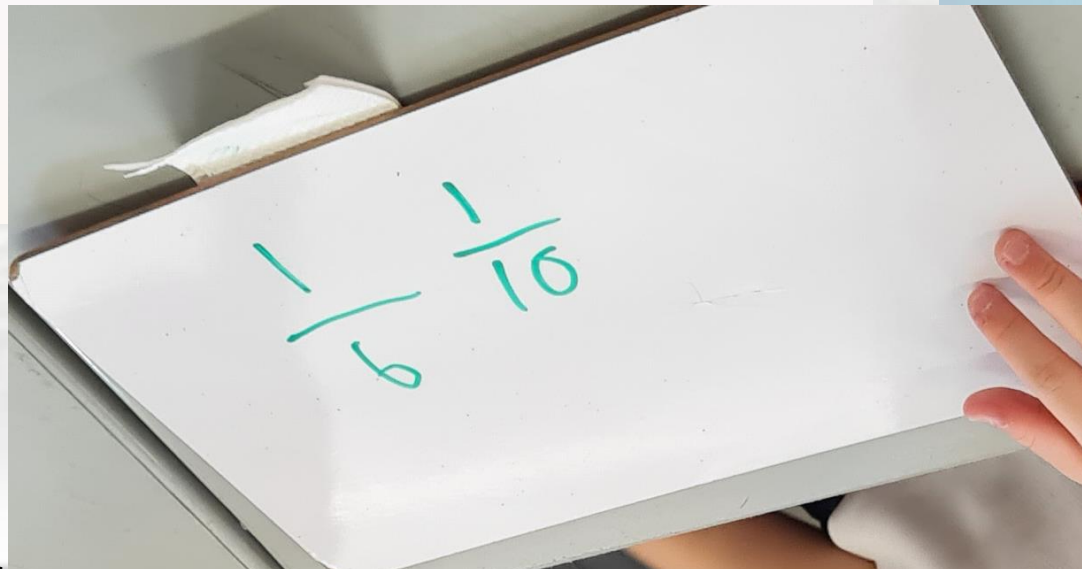




Sustained Support for Maths (SSM)

Factual Fluency

$$43.5 \div 60 = \underline{\hspace{2cm}}$$

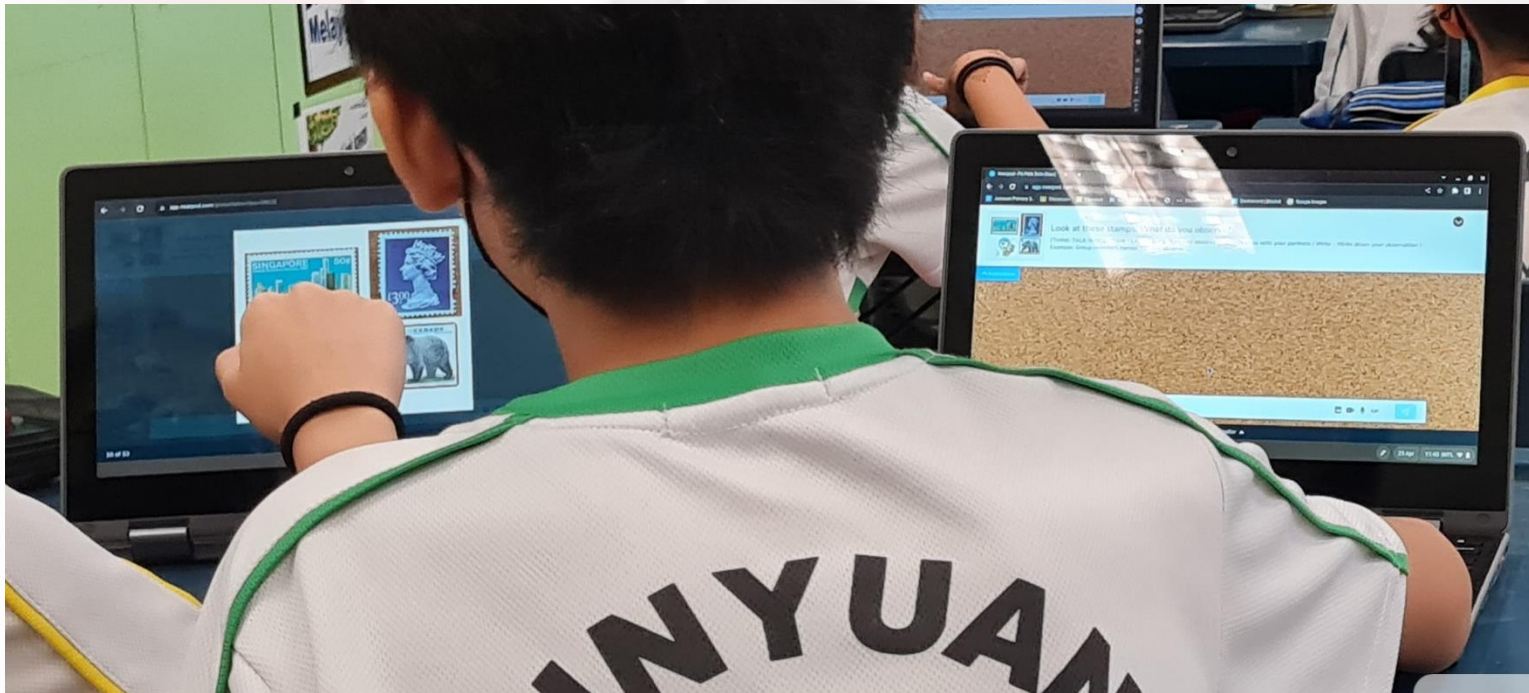


Pictures were taken pre-covid



Sustained Support for Maths (SSM)

ICT - based lessons





KooBits | Love Learning 

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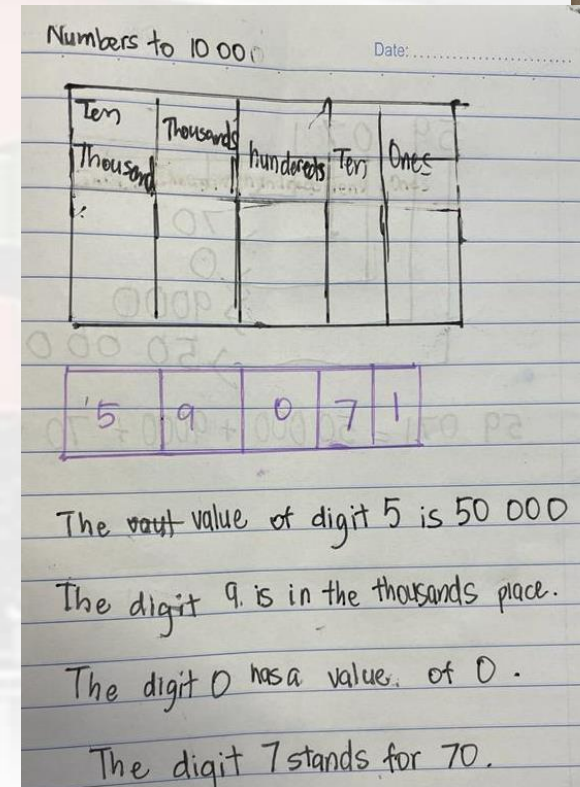
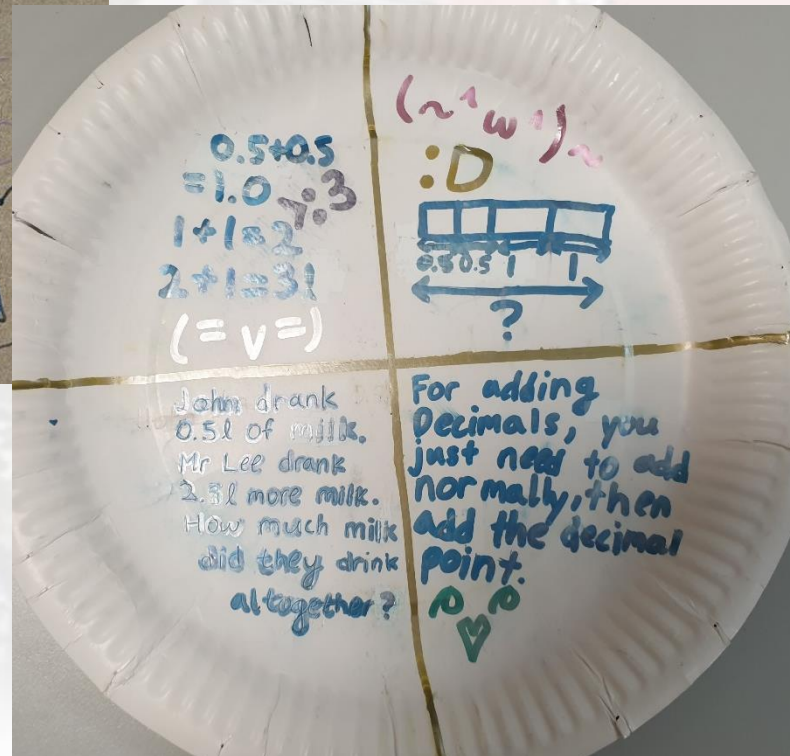
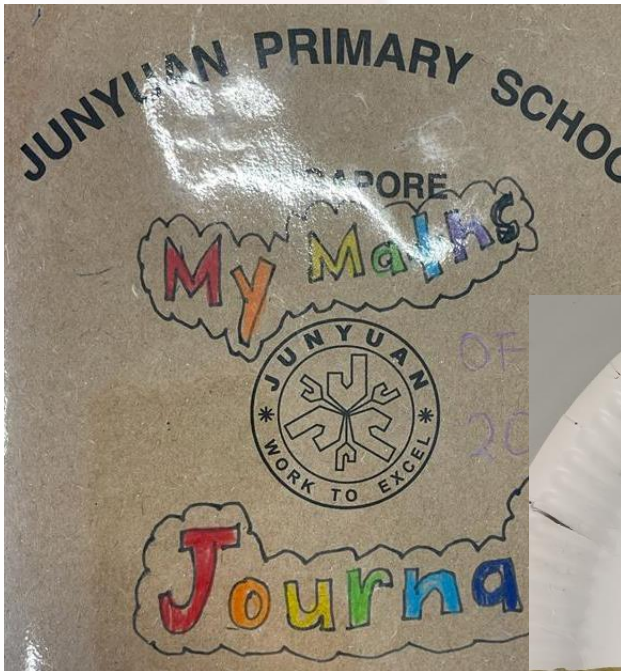
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Note Taking





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STAR Heuristics Package (STAR Hpack)

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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**
- **Branching method**
- **Working backwards**
- **Restate the problem**
- **Patterning**



Topics at P5

Numbers to 10 Million

Four Operations of Whole Numbers

Fractions and Division

Four Operations of Fractions

Area of Triangles

Volume

Decimals

Rate

Percentage

Angles

Properties of Triangles

Properties of Parallelogram,
Rhombus and Trapezium

WA1

WA2

Subject to changes



Topics at P5 FMA

Numbers to 10 Million
Four Operations of Whole Numbers
Factors and Multiples
Fractions as Part of a Whole
Time
Angles
Perpendicular and Parallel Lines
Rectangles and Squares

Mixed Numbers and Improper Fractions
Multiplication of Fractions
Decimals
Four Operations of Decimals
Rate
Area and Perimeter
Volume
Tables and Graphs

WA1

WA2

Subject to changes



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Assessment

Format of WA1



Section	Item Type	Number of Questions	Allocation of Marks per Question	Duration
A	MCQ	6	1 – 2	50 min
B	SAQ	10	1 – 2	
C	LAQ	2	3 – 4	

Format of WA2



Section	Item Type	Number of Questions	Allocation of Marks per Question	Duration
A	SAQ	11	1 – 2	50 min
B	LAQ	4	3 – 4	

Format of WA (FMA)



Section	Item Type	Number of Questions	Allocation of Marks per Question	Duration
A	MCQ	8	1	50 min
B	SAQ	10	1 – 2	
C	LAQ	2	3 or 4	

Format of EYE



Paper	Booklet	Item Type	No. of qns	Marks per qns	Weighting	Duration
1	A	MCQ	18	1 or 2	50%	1 h 10 min
	B	SAQ	12	2		
2		SAQ	5	2	10%	1 h 20 min
		LAQ	10	3, 4 or 5	40%	
Total			45		100%	2 h 30 min



Format of EYE (FMA)

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	8	2	16	
2		SAQ	10	2	20	45 min
		LAQ	4	3 to 4	14	
Total			42		80	1h 45 min



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 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



*Thank
You!*