



**JUNYUAN PRIMARY SCHOOL**

Future-Ready Learners . Leaders of Character

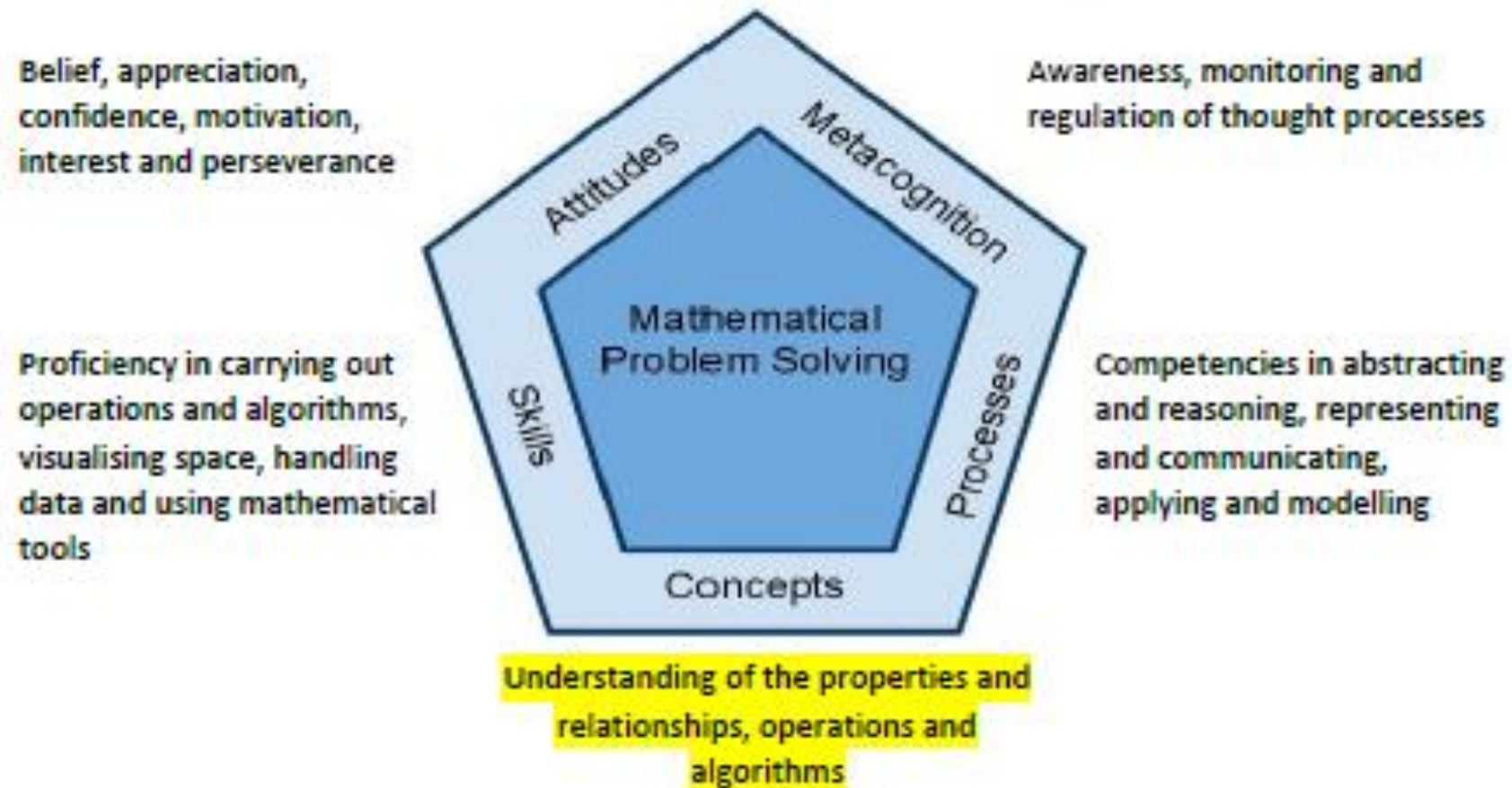
# Mathematics

## Primary 6



# SINGAPORE MATHEMATICAL FRAMEWORK

## Mathematics Curriculum Framework



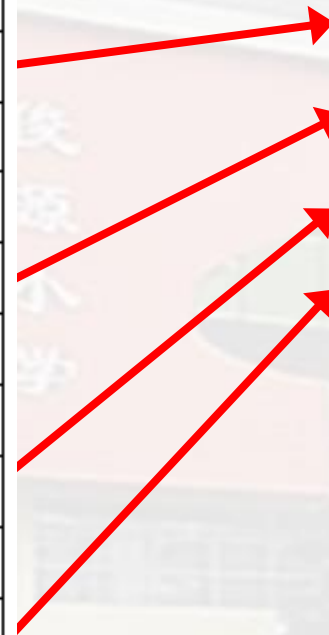


## Topics at P5

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!**



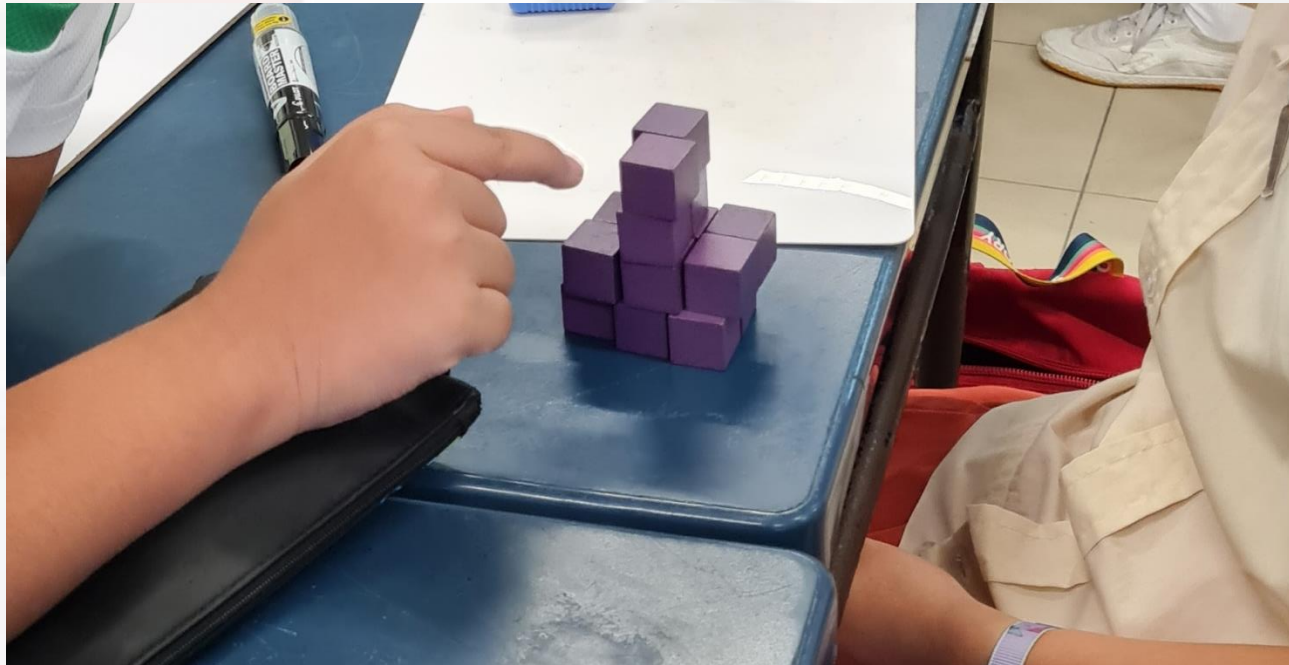
# Sustained Support for Maths (SSM)

## Activity - based lessons






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



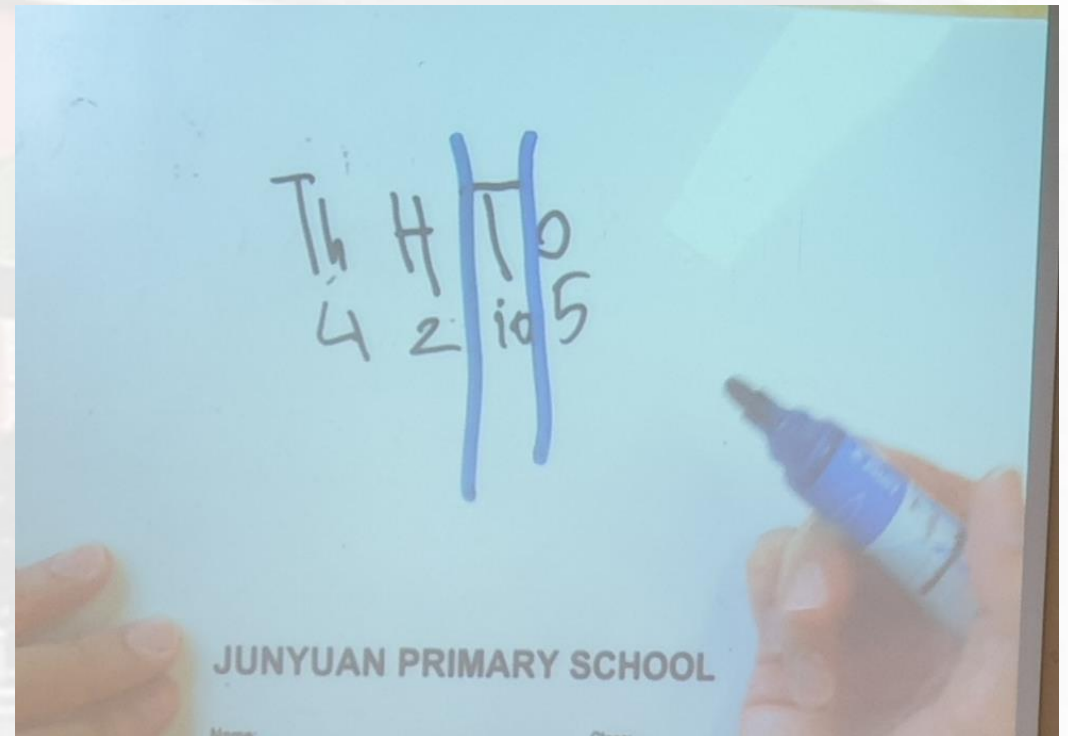
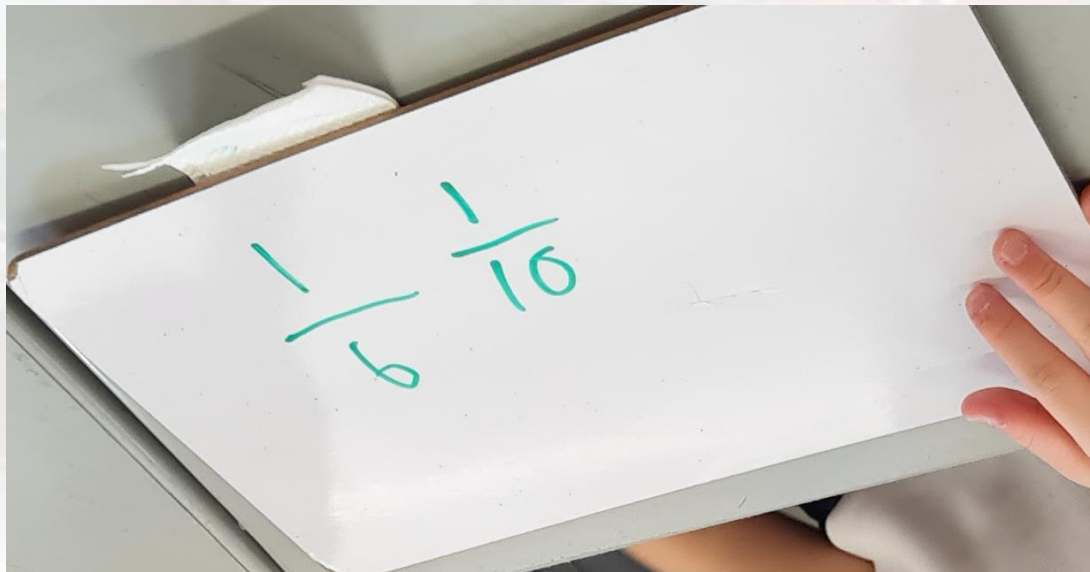


# Sustained Support for Maths (SSM)

## Factual Fluency

Simplify the expression  Slide Drawing

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







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





 | Love Learning 

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Enter your password

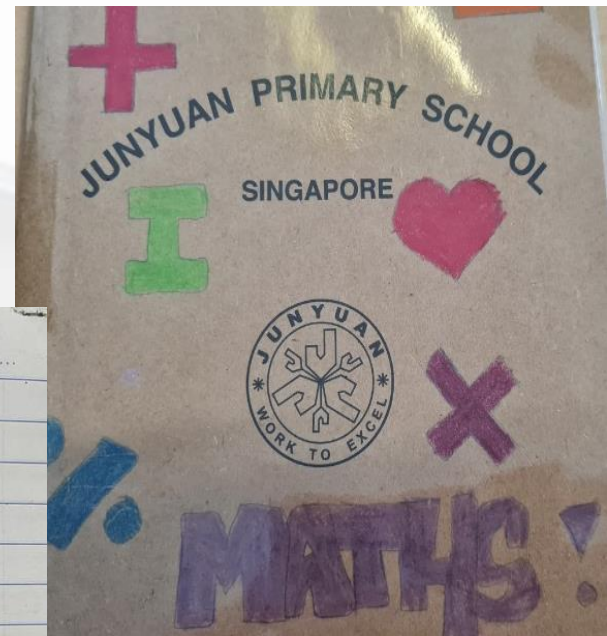
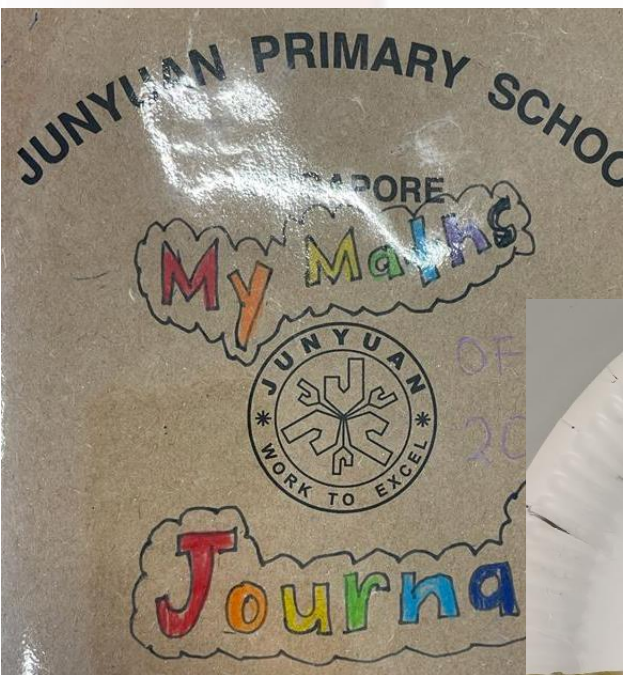
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# Note Taking



$0.5 + 0.5 = 1.0$   
 $1 + 1.2 = 2.2$   
 $2 + 1.3 = 3.3$   
(= v =)

John drank 0.5l of milk.  
Mr Lee drank 2.5l more milk.  
How much milk did they drink altogether?

For adding Decimals, you just need to add normally, then add the decimal point.

(~'w~) :D

0.5 0.5

Numbers to 10 000 Date: .....

Ten Thousands	Thousands	Hundreds	Tens	Ones

5 9 0 7 1

The ~~value~~ value of digit 5 is 50 000  
The digit 9 is in the thousands place.  
The digit 0 has a value of 0.  
The digit 7 stands for 70.

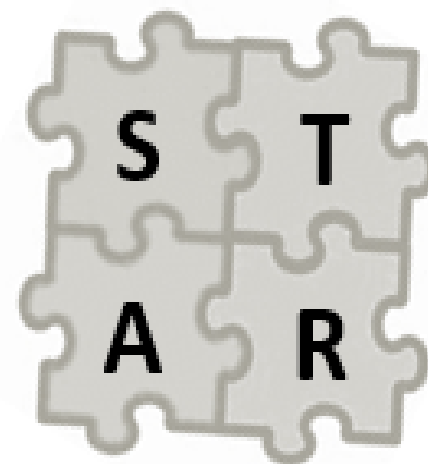


# STAR Heuristics Package (STAR Hpack)

JUNYUAN PRIMARY SCHOOL  
MATHEMATICS

# STAR

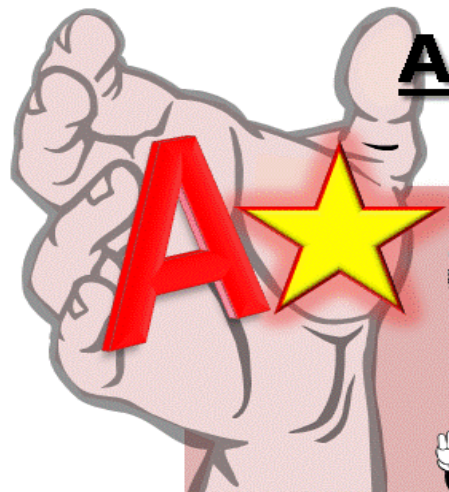
SEE ~ THINK ~ ACT ~ RELOOK





# 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**



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# Assessment

# Format of non-Was (Standard)



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





# Format of Prelims / PSLE (Standard)

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 non-WAs (Foundation)

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



# Format of Prelims / PSLE (Foundation)

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

**25 April 2025**

Details will be sent via PG nearer  
the date



Thank  
You!