Mathematics

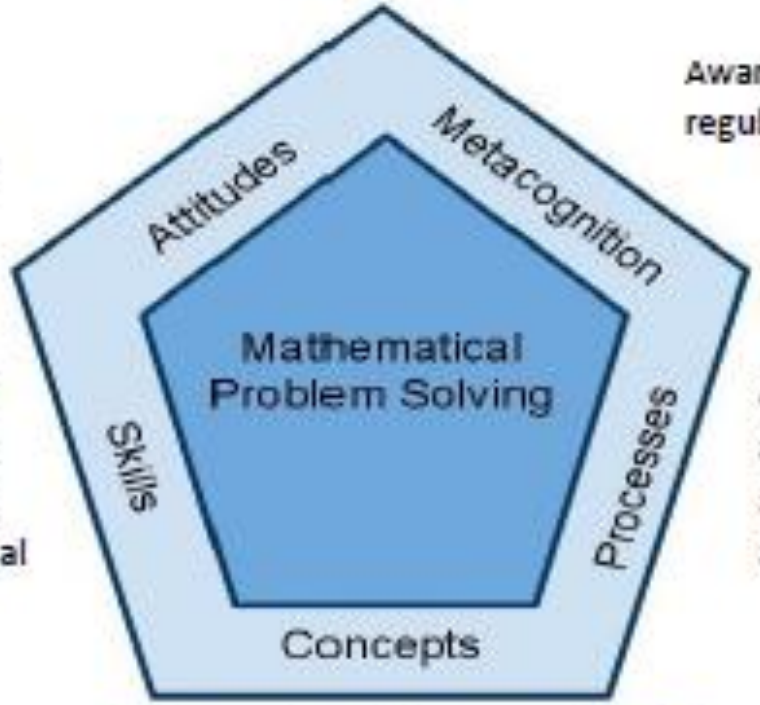
Primary 5

SINGAPORE MATHEMATICAL FRAMEWORK

Mathematics Curriculum Framework

Belief, appreciation, confidence, motivation, interest and perseverance

Awareness, monitoring and regulation of thought processes



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

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

Understanding of the properties and relationships, operations and algorithms

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

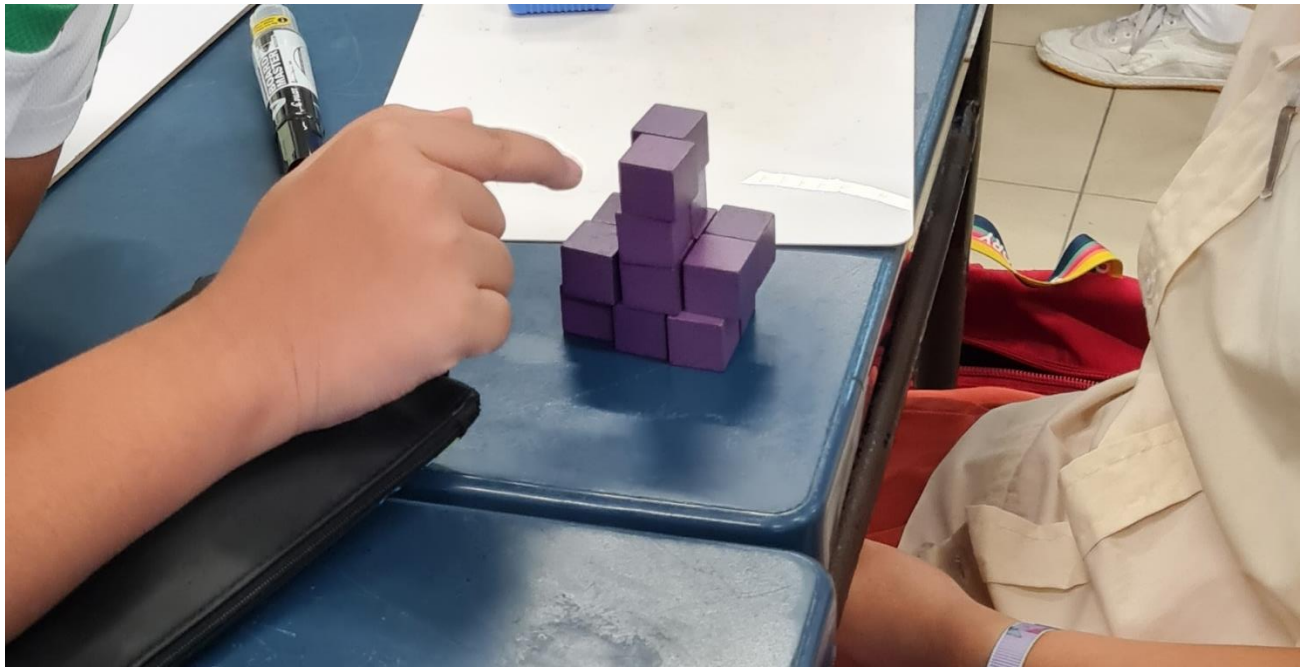
Fractions
Decimals
Percentage
Area and Perimeter
Average
Triangles, Rectangles and Squares
Pie Charts
Volume

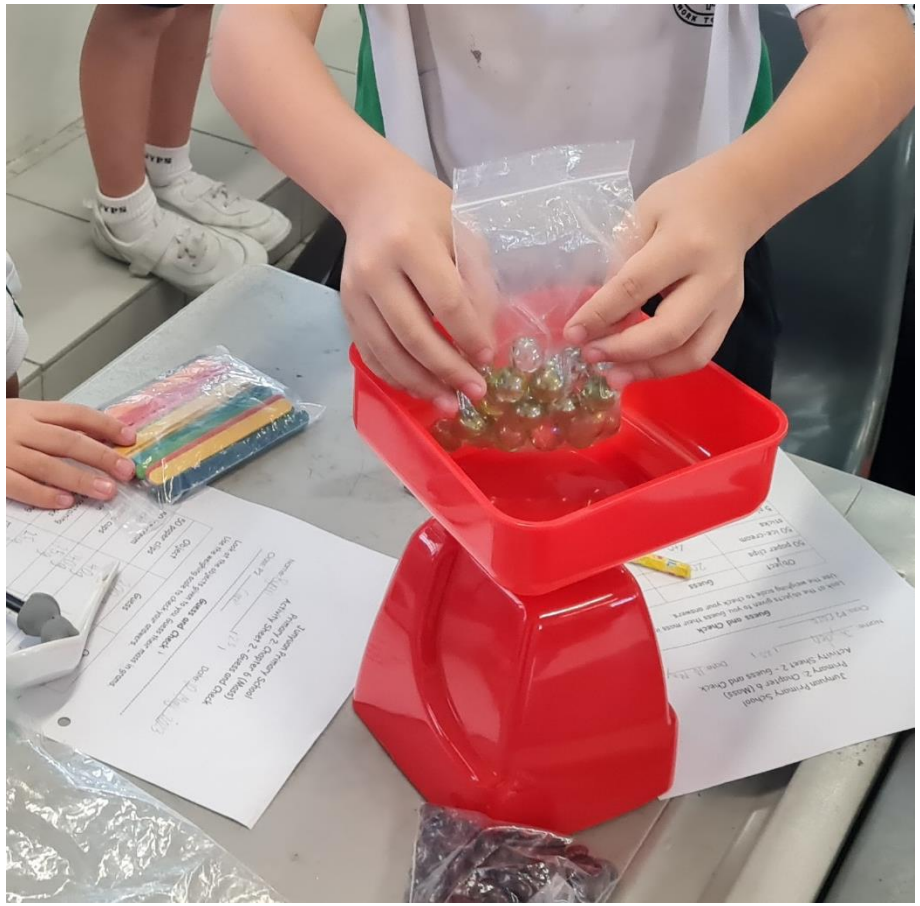
Key Department Approaches & Programmes

- **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

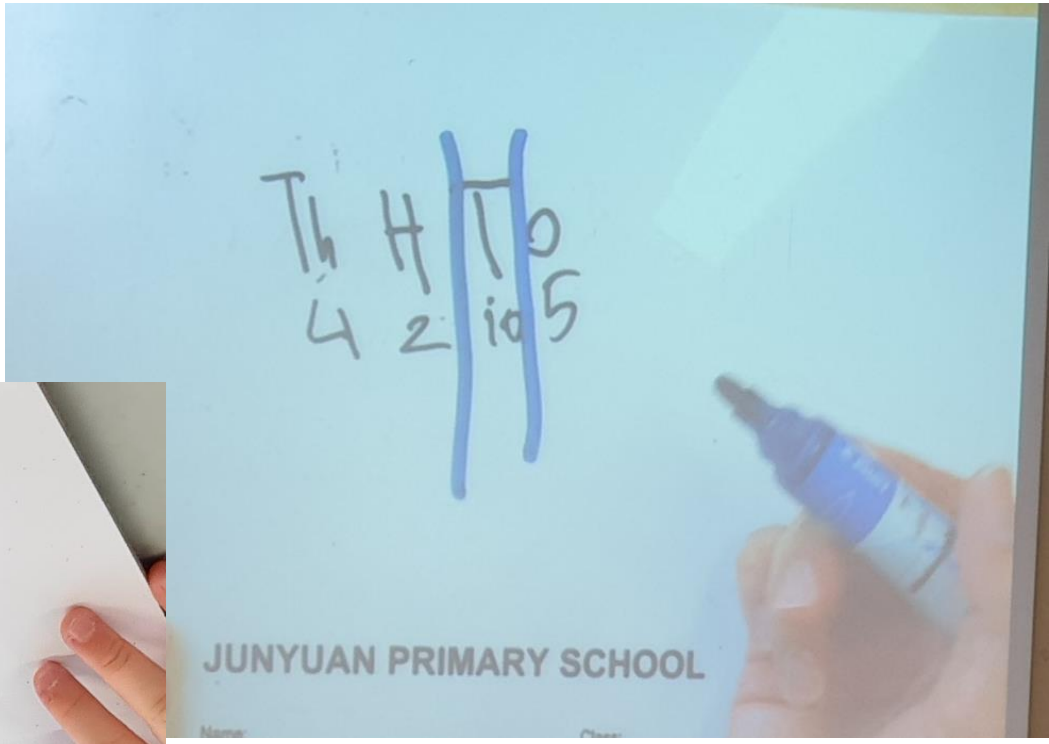
Sustained Support for Maths (SSM)
Activity - based lessons





Sustained Support for Maths (SSM)
Factual Fluency

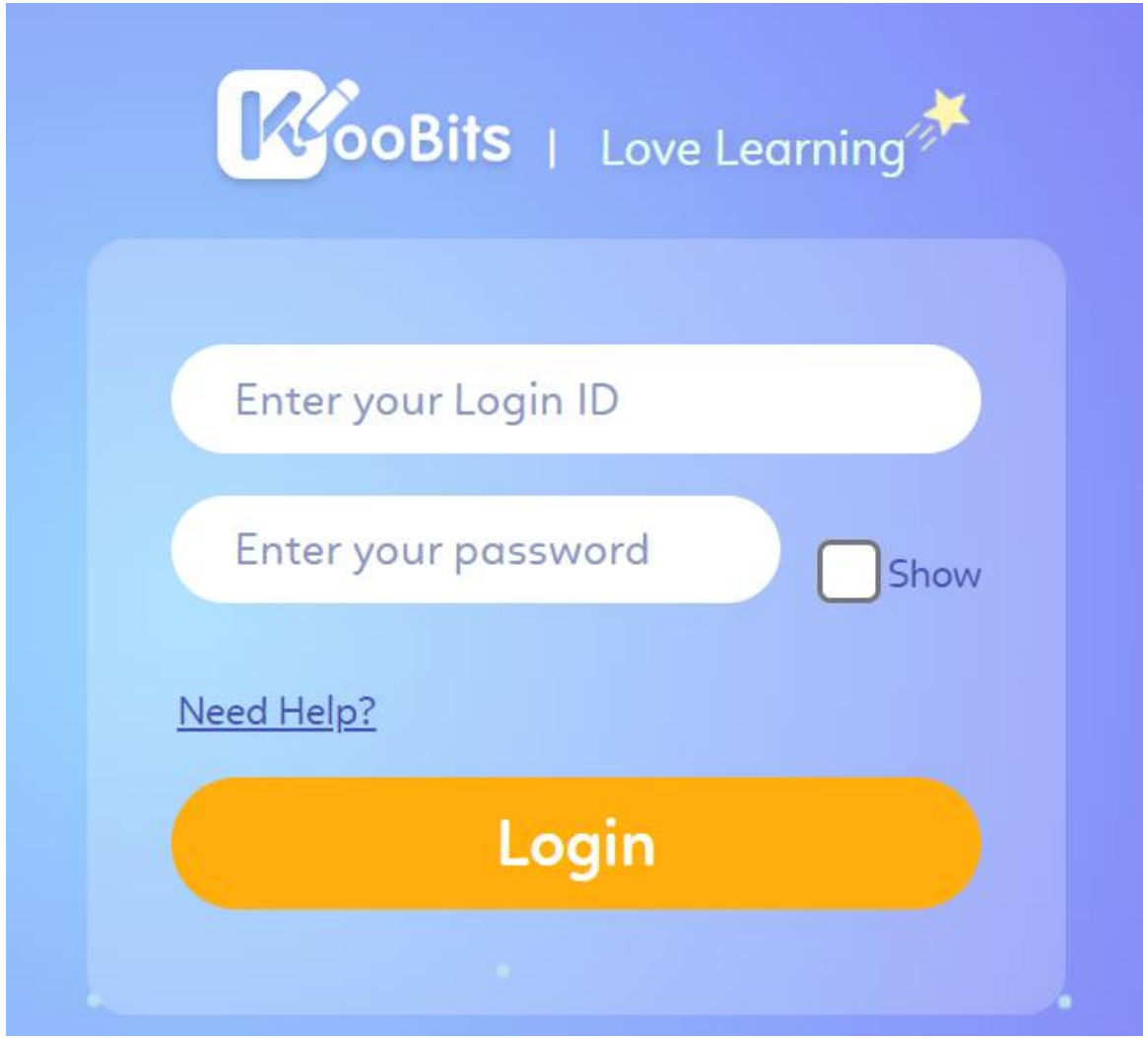
$43.5 \div 60 =$ _____



Pictures were taken pre-COVID

Sustained Support for Maths (SSM)
ICT - based lessons

KooBits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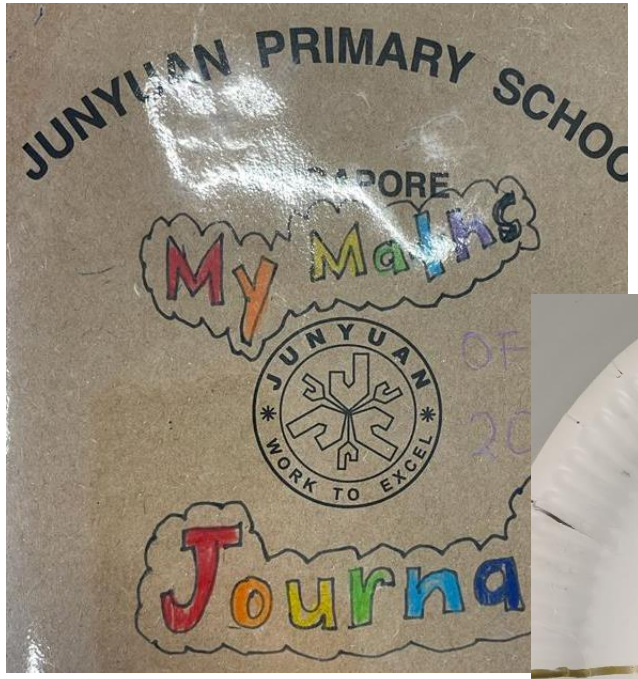
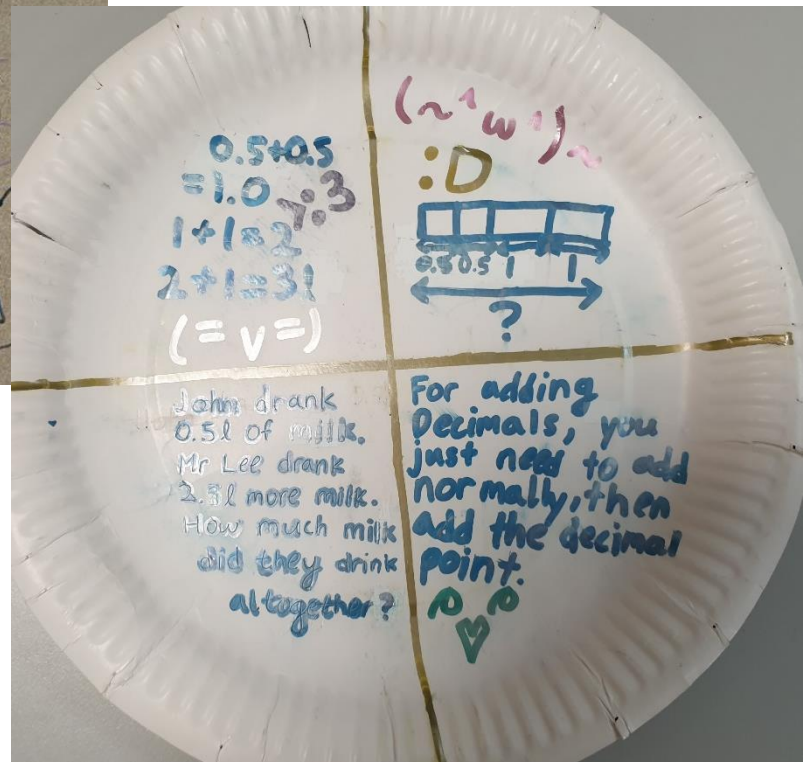
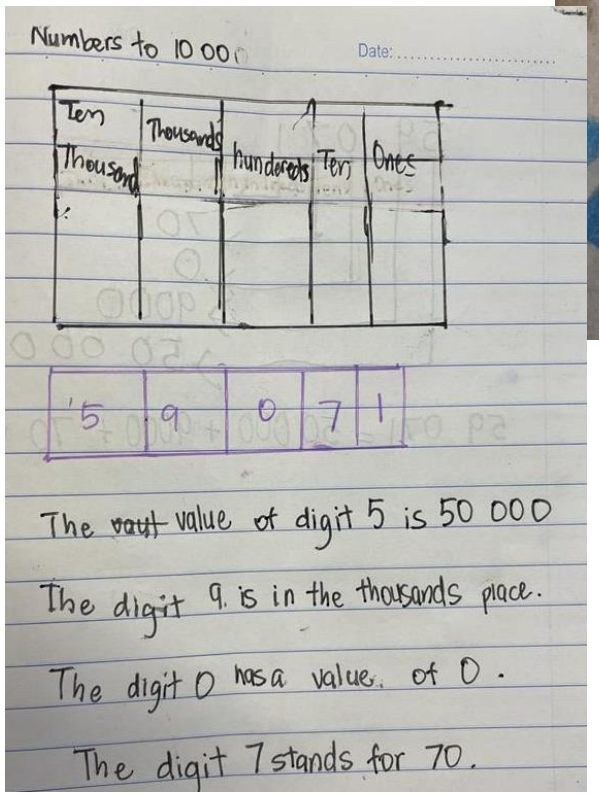
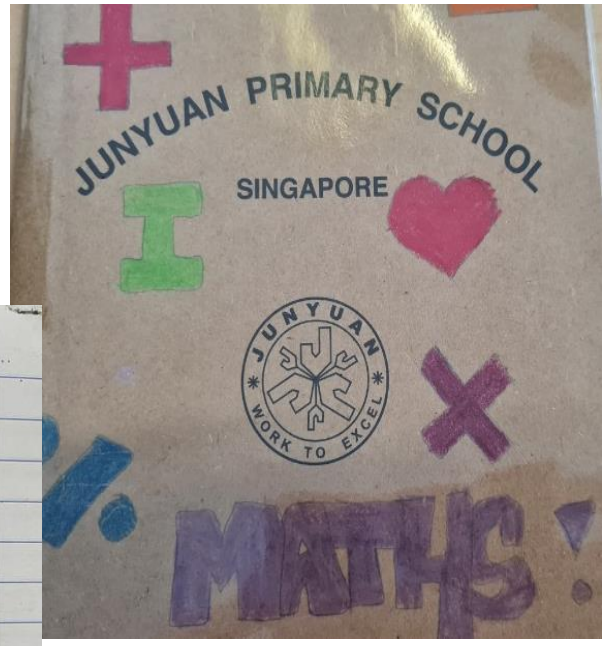
Note Taking


JUNYUAN PRIMARY SCHOO
My Maths
Journa


0.5+0.5
=1.0
1+1=2
2+1=3!
(=v=)
(~'w')~
:D
0.5 0.5 1 1
?
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.


Numbers to 10 000
Date:
Ten Thousand
Thousand
Hundreds
Ten
Ones
5 9 0 7 1
The 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.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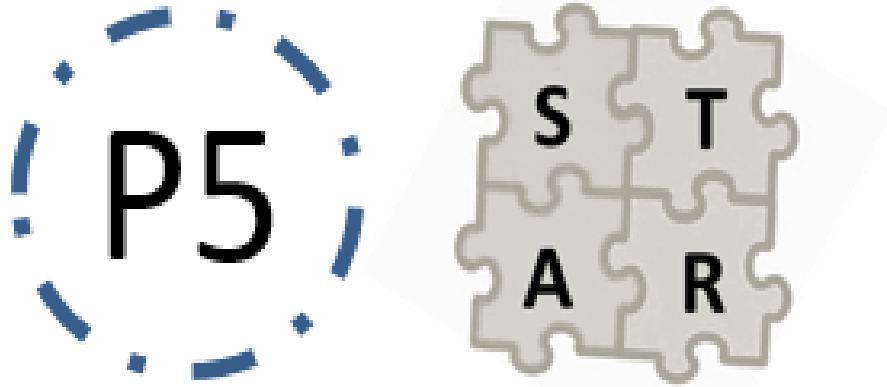
SINGAPORE
MATHS!

STAR Heuristics Package (STAR Hpack)

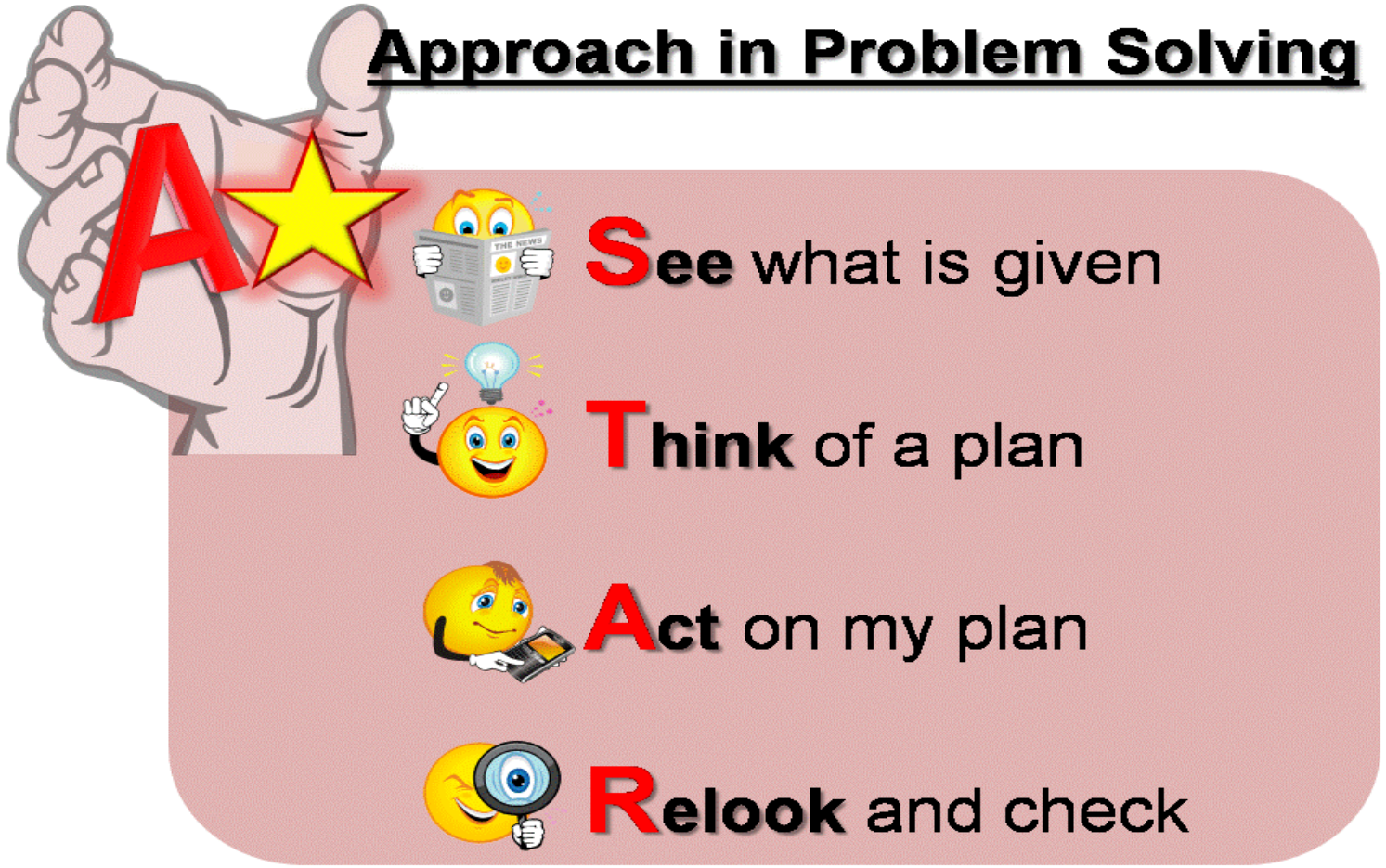
JUNYUAN PRIMARY SCHOOL
MATHEMATICS

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

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, 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)

Save the date!

26 April 2024

Details will be sent through PG nearer the date

Thank You!