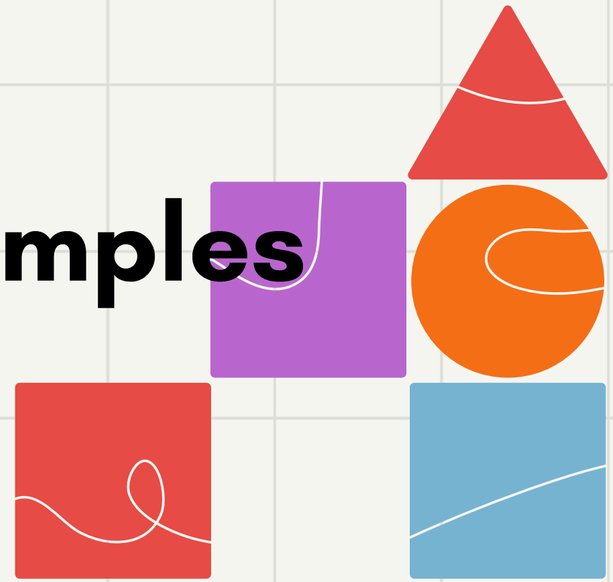
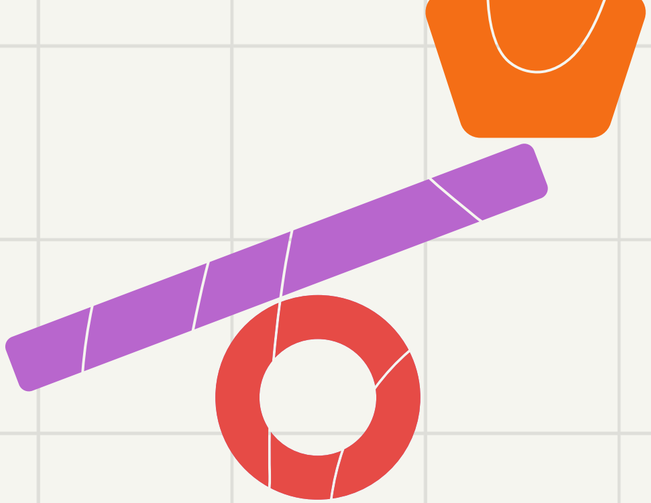
MATHEMATICS

SUBJECT-BASED BANDING BRIEFING 2026

Outline

- P4 Topics
- Math can be fun!
- STAR approach
- SBB Math exam format
- STAR Approach
- Question Item types and examples
- Students' common mistakes
- Study tips





P4 Math Topics

- Numbers To 100 000
- Factors And Multiples
- Four Operations Of Whole Numbers
- Tables And Line Graphs
- Fractions
- Angles
- Squares And Rectangles
- Decimals
- Four Operations Of Decimals
- Pie Charts
- Area And Perimeter
- Nets
- Symmetry

Have you ever seen your child look like this while doing math?

Why Does Math Feel S ?

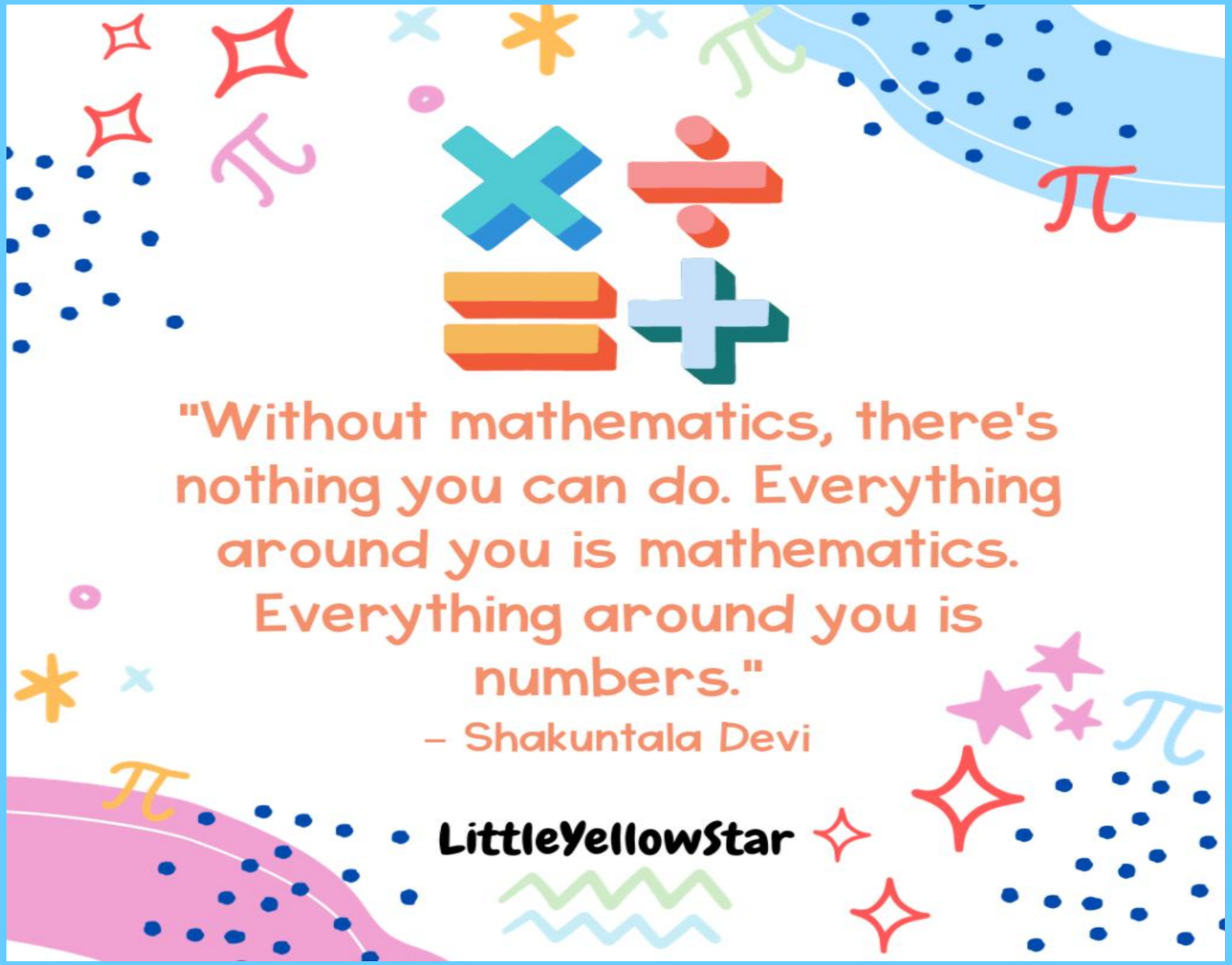
- Pressure to achieve
- Lack of

Math can be enjoyable with the right approach!

math."

n rather than

pts.


"Without mathematics, there's nothing you can do. Everything around you is mathematics. Everything around you is numbers."
– Shakuntala Devi
LittleYellowStar

How Math can be made fun to learn at home

1. **Play Math-Based Games**
   - Games:
     - ✓ Monopoly,
     - ✓ UNO ONO 99
     - ✓ Sudoku
     - ✓ Tangram
   - Apps/websites:
     - ✓ Koobits
     - ✓ mathplayground.com

Playing **Monopoly** provides a rich and engaging opportunity for children to practice a variety of math concepts in a fun and interactive way.

Geometry

1.Board Layout and Movement

- Navigating the board using spatial awareness and counting spaces based on dice rolls.

How Math can be made fun to learn at home

2. **Incorporate Math in Everyday Life**
   - Shopping
   - Cooking

A shopping trip to the supermarket offers numerous opportunities for children to explore and learn a variety of math concepts in a real-world context.

Time Management

1. Estimating Time

Predicting how long it will take to shop.

2. Speed Calculations

Calculating how fast they need to move to finish by a specific time.

4. Be a Supportive Guide

- **Encourage positive self-talk:**
  Instead of saying "I'm bad at math," encourage phrases like "I can get better with practice.“
- **Praise effort, not just results:**
  Focus on the process and hard work rather than just the correct answer.
- **Model perseverance:**

  Show your child that it's okay to make mistakes and that persistence leads to improvement.

SBB Matters

SBB Math Exam Format

Duration: 1 hour 45 minutes

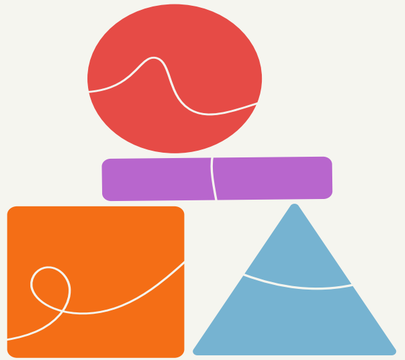
Booklet	Item type	No. of questions	Mark per question
A	MCQ (Multiple Choice)	15	2m
B	SAQ (Short-Answer)	22	2m
	LAQ (Long-Answer)	8	3m, 4m
Total		100	-

70% of the overall marks for P4 SBB

STAR approach in Problem Solving

How do you solve a Mathematics problem?

- ❑ **S**tudy the problem carefully
- ❑ **T**hink of a strategy
- ❑ **A**ct on the solution
- ❑ **R**eflect on the final answer



Types of the questions

1. **Recall and perform computation**

   Recall mathematical facts, concepts, rules and formulae; perform straightforward computations

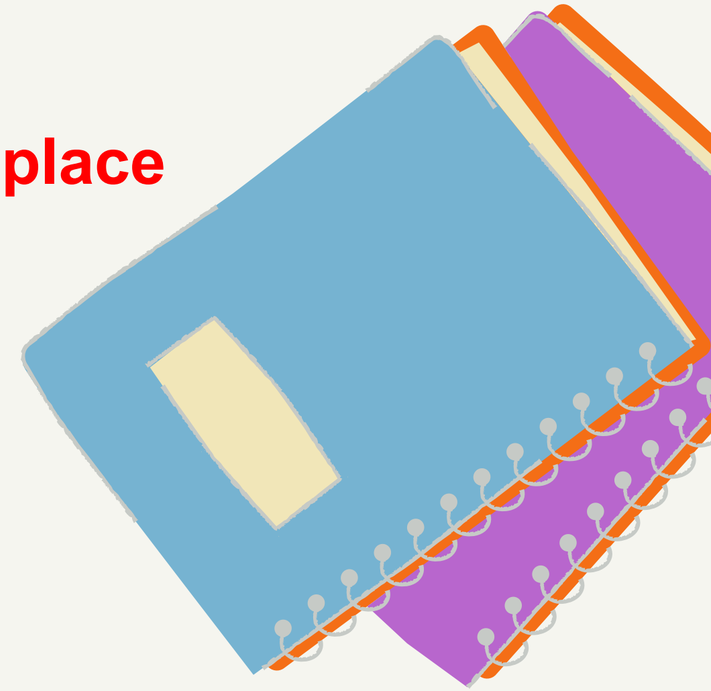
Recall and perform computation

Example 1

Digit 2 is in ten thousands place

What is the value of digit 2 in 23 576?

(1) 20
(2) 200
(3) 2000
(4) 20 000



Skills required:
- Recall whole numbers place value

Recall and perform computation

Example 2

Number of groups

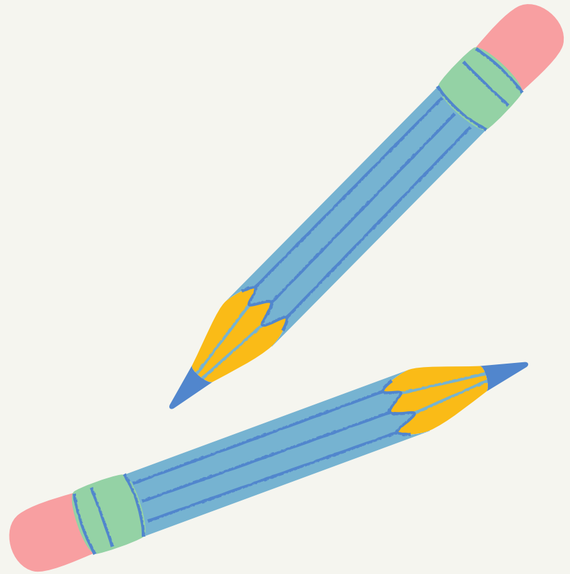
There are 318 boxes of pencils.

Each box has 16 pencils. Number of items in each group

How many pencils are there altogether?

Skills required:

- Recall concept of grouping



Types of the questions

1. **Recall and perform computation**

   Recall mathematical facts, concepts, rules and formulae; perform straightforward computations

2. **Understand and apply**

   Interpret information; understand and apply mathematical concepts and skills in a variety of contexts.

Understand and apply

Example 3

amount spent

amount saved

Alex spent $24 on food and saved the remaining $6.

What fraction of his total money did he save?

(1) $\frac{1}{4}$

(2) $\frac{1}{5}$

(3) $\frac{4}{5}$

(4) $\frac{3}{4}$

Skills required:

- **Recall concept of**

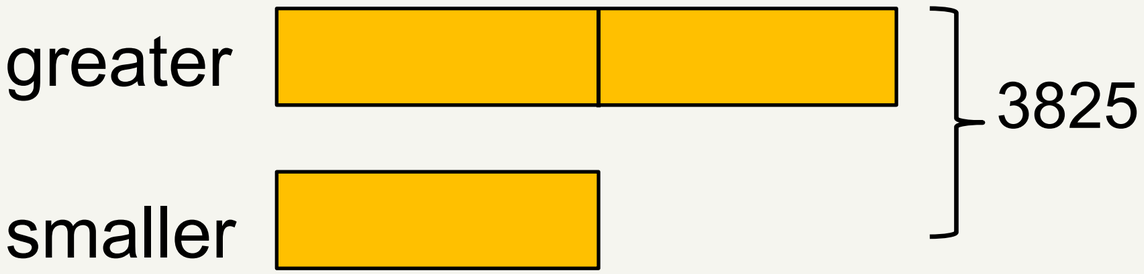
  whole = part + whole

- **Recall on** $\frac{part}{whole}$

Understand and apply

Example 4

The sum of two numbers is 3825. The greater number is twice as much as the smaller number. What is the greater number?



Skills required:

- **Recall concept of units**

Types of the questions

1. **Recall and perform computation**

   Recall mathematical facts, concepts, rules and formulae; perform straightforward computations

2. **Understand and apply**

   Interpret information; understand and apply mathematical concepts and skills in a variety of contexts.

3. **Reason and analyse**

   Reason mathematically; analyse information and make inferences; select appropriate strategies to solve problems

Reason and analyse

Example 5

Skills required:

- **Recall concept of multiples**

Mr Tan shared some coins with a group of children.
If he gave 8 coins to each child, he would have 3 coins left.
If he gave 9 coins to each child, he needed 2 more coins.
How many coins did Mr Tan have?

	1	2	3	4	5	
Multiples of 8	8	16	24	32	40	……
3 coins left (+3):	11	19	27	36	43	……
Multiples of 9	9	18	27	36	45	……
Need 2 coins (-2):	7	16	25	34	43	……

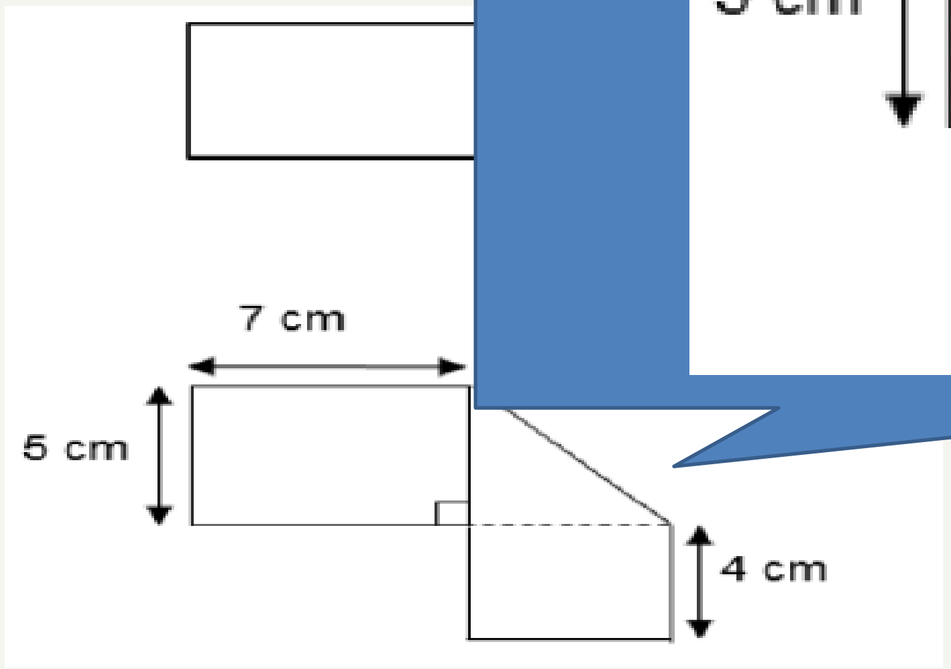
Reason

Example

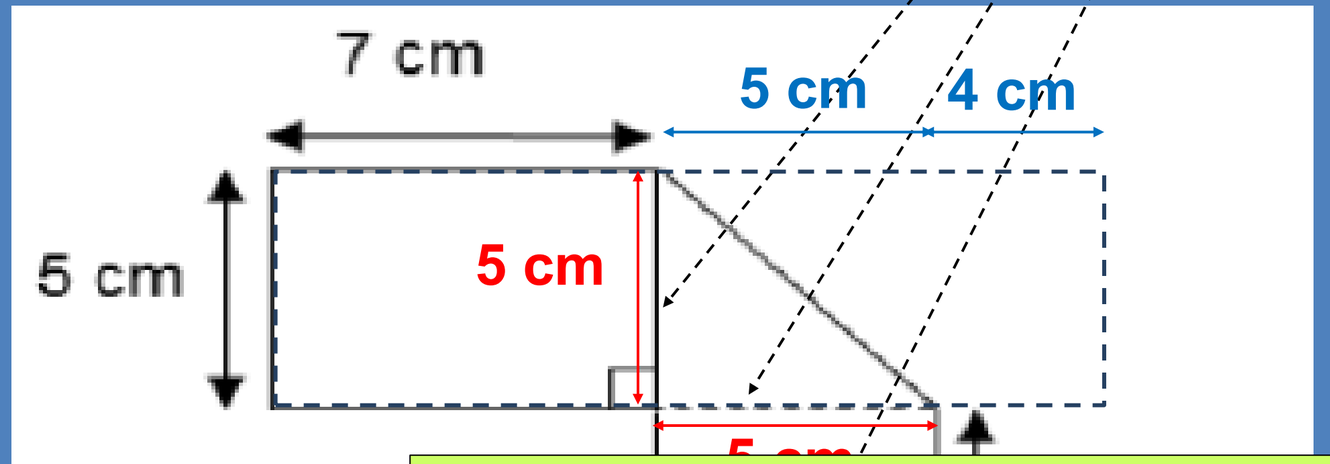
A rectangular

below. What

it was folded



Reasoning: these sides have the *same length*



Skills required:

- **Recall area of rectangles**
- **Spatial Visualisation**

1. Transfer error

Example: 9 x $12 = $108

$180 ÷ 2 = $90

Mr Ali has $9.

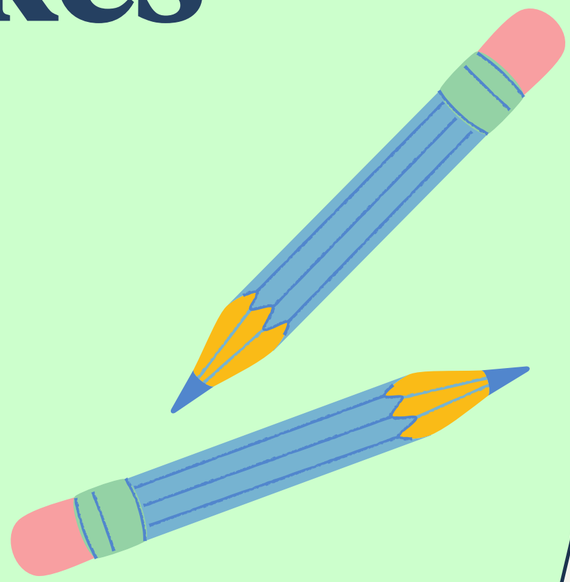
Student's Common Mistakes

Student's Common Mistakes

2. Omission or incorrect units of measurement

Example:

- ✓ 1 km = 100 m (Wrong fact)
- ✓ The volume of the water is 200. (Missing unit)



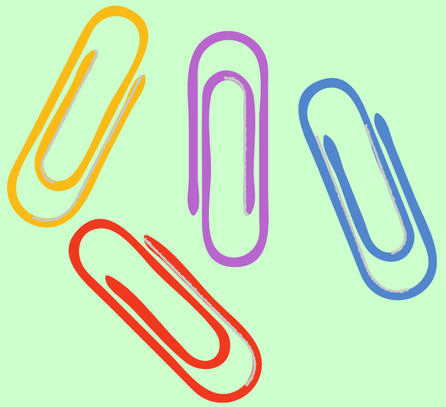
3. Writing incorrect Math equations

Example: 20 + 10 = 30 + 5 = 35

not equal

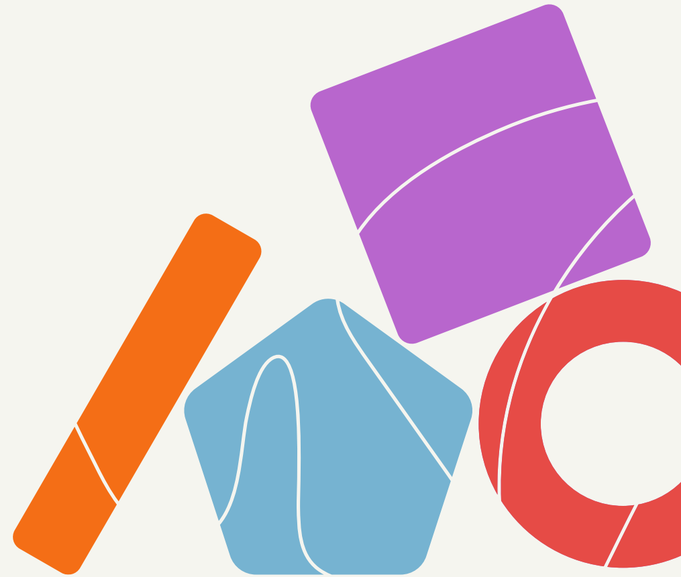
(Wrong equations as the 2 steps are combined into one)

Student's Common Mistakes



How To Do Well in Examination

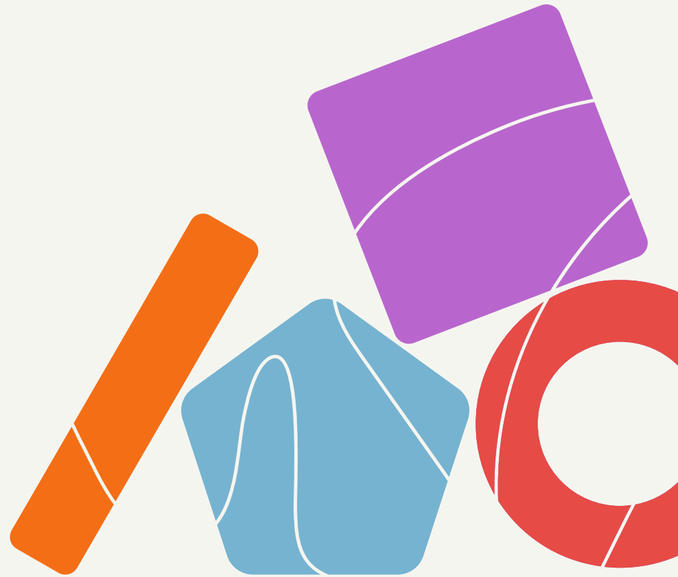
- ✓ Underline and annotate important information in word problems.
- ✓ Do not dwell too long on a question. Skip questions when unsure of the approach to solve the question and return to complete them later.
- ✓ Attempt all questions.
- ✓ Show all the Math equations and workings.
- ✓ Check the accuracy of the calculations.



It is important to take note that

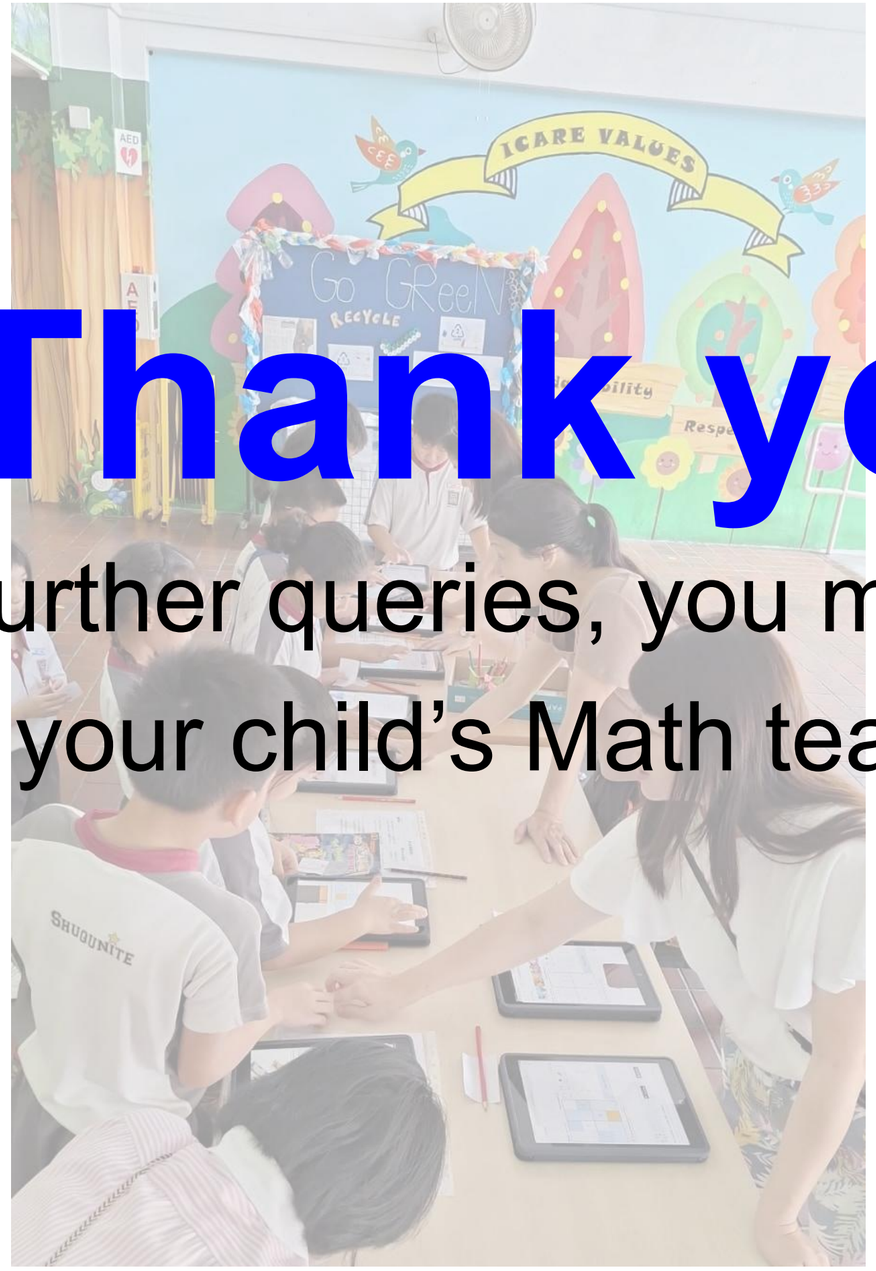
- An AL8 in PSLE Math is why our Shuqunites need to repeat P6. (They are able to clear EL).

- Math is the foundation of many courses in Secondary School, Polytechnic, JC and beyond.



MATHEMATICS
is not about
numbers, equations,
computations, or
algorithms:
it is about
UNDERSTANDING.

William Paul Thurston



Thank you

For further queries, you may consult your child’s Math teacher.