Mathematics in Primary 3
Mathematics Framework

Beliefs
- Interest
- Appreciation
- Confidence
- Perseverance

Monitoring of one’s own thinking
- Self-regulation of learning

Attitudes

Metacognition

Numerical calculation
- Algebraic manipulation
- Spatial visualisation
- Data analysis
- Measurement
- Use of mathematical tools
- Estimation

Reasoning, communication and connections
- Applications and modelling
- Thinking skills and heuristics

Mathematical Problem Solving

Concepts

Skills

Processes

Numerical
- Algebraic
- Geometric
- Statistical
- Probabilistic
- Analytical
Aim of Primary Math Syllabus

• Acquire Math concepts and skills
• Apply Math concepts and skills for everyday use
• Concepts and skills acquired at current level will support further learning in Math, aid in developing different levels of thinking, reasoning, communication, application and metacognitive skills
Math in Primary 3

3 broad categories of topics:
• Numbers & Algebra
• Measurements & Geometry
• Statistics
Numbers & Algebra

Topics:
• Numbers up to 10 000
• Addition and Subtraction Within 10 000
• Multiplication and Division
• Fractions
• Money
Measurements & Geometry

Topics:
• Length
• Mass
• Volume
• Time
• Angles
• Perpendicular and Parallel Lines
• Area and Perimeter
Statistics

Topic:
• Bar Graphs
Resources Used

• Activity Books
• School Worksheets
• Enrichment Worksheets
• Running Revision Worksheets
• Mental Sums
• Brain Gym
• Self-Reflection Checklist
• Journal Writing
• Learnlogy E-Learning Portal
## Primary 3 Mathematics Examination Format

<table>
<thead>
<tr>
<th>Section</th>
<th>Item Type</th>
<th>No. of questions</th>
<th>No. of marks per qn</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Multiple-choice</td>
<td>5</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Open-Ended</td>
<td>5</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>20</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Problem Sums</td>
<td>6</td>
<td>3, 4</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>40 questions</strong></td>
<td><strong>80 marks</strong></td>
<td><strong>1 h 45 min</strong></td>
</tr>
</tbody>
</table>
Math Exam...
Key Points to Note:

Section A: Multiple Choice Questions (MCQ)

• To enter the chosen option in the bracket on the exam script for checking purposes.

• To shade the chosen option in the OAS carefully with 2B pencil. Erase any mistakes with a soft eraser.
Math Exam...
Key Points to Note:

Section B: Short Answer Questions
• To show thinking process & algorithm (workings) on the exam script in legible handwriting.

• To write the correct answers in the spaces provided

*Do not erase the workings as method marks are awarded for the correct workings shown if the answer is wrong.
Math Exam...

Key Points to Note:

Section C: Problem Sums

• Model drawing - Optional

• To write equation(s) and show algorithm (workings) clearly so that method marks can be awarded accordingly

• To write an **word statement** with the final answer so that answer marks can be awarded accordingly

*Pupils are encouraged to show all steps as method marks will be awarded for each correct step/method even if the answer/final answer is wrong.*
Math Exam...

Key Points to Note:

Presentation of answer for Section C:

$700 + \$1065 = \$1765$

$\$1765 - \$648 = \$1117$

Mrs. Lim spent \$1117.

• Standard units of measurement should accompany the answers.
  E.g. cm, m, $, \$\, mℓ, ℓ etc
Our Partnership

Parents can help to reinforce the child’s love for Math and make it fun for them...

- Relate Math to daily life/activities
  - E.g. Find the sum of 4-digit numbers, recall multiplication tables (2-10), estimate cost for shopping purchases

- Reinforce with daily practices
  - E.g. Solve a few problem sums a day

- Increase exposure to non-routine problems and puzzles (print & non-print sources)
Collaboration between parents & school teacher

• Monitor your child’s homework completion and remind him/her to complete corrections diligently.

• At least once a term, all resources will be returned for checking. Kindly acknowledge your child’s progress by signing on the resources.

• Encourage your child to solve the questions independently. Give advice when necessary.

• Ask your child to seek help from teacher pro-actively.