

# Primary 1 Mathematics

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# Aims Of The Maths Curriculum

- Acquire mathematical concepts and skills for everyday use and continuous learning in mathematics
- Develop thinking, reasoning, communication, application and metacognitive skills through a mathematical approach to problem solving
- Build confidence and foster interest in mathematics





# Topics Covered In the P1 Curriculum

- WHOLE NUMBERS
  - Numbers to 100
  - Addition & Subtraction
  - Numbers Showing Positions
  - Comparing Numbers
  - Multiplication & Division





# Topics Covered In the P1 Curriculum

- MEASUREMENT
  - Length
  - Time
  - Money
- GEOMETRY
  - Shapes & Patterns
- DATA ANALYSIS
  - Picture Graphs





# Approaches To Teaching & Learning

- Play-and-Learn Mathematics Programme (PALM)
- Problem-solving
- Performance Tasks
- Use of ICT (for feedback & e-pedagogy)
- Use of Formative Assessment





# Approaches To Teaching & Learning (Play-and-Learn Mathematics – PALM)

- Infused into daily lessons
- Acquire concepts through concrete materials
- Interpret the mathematical solution in the context of the real-world problem
- Develop cooperative and collaborative skills





# Approaches To Teaching & Learning (Problem-Solving)

- Aims to strengthen pupils' application of concepts
- Spiral curriculum in developing pupils' problem solving ability

Term 1	Term 2	Term 3	Term 4
<ul style="list-style-type: none"><li>▪ Numbers to 10</li><li>▪ Addition &amp; Subtraction within 10</li><li>▪ Ordinal Numbers</li><li>▪ Numbers To 20</li></ul>	<ul style="list-style-type: none"><li>▪ Addition &amp; Subtraction within 20</li><li>▪ Numbers to 100</li><li>▪ Addition &amp; Subtraction within 100</li></ul>	<ul style="list-style-type: none"><li>▪ Shapes</li><li>▪ Picture Graphs</li><li>▪ Length</li><li>▪ Multiplication</li></ul>	<ul style="list-style-type: none"><li>▪ Division</li><li>▪ Time</li><li>▪ Money</li></ul>







# Approaches To Teaching & Learning (Performance Tasks)


- Learning activities students perform to demonstrate their knowledge, understanding and proficiency.






# Approaches To Teaching & Learning (Performance Tasks – Example)


Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

 **Performance Task**

Use  to help you.

Rani and Ivy have 10 prizes altogether.  
They do not have the same number of prizes.

Rani Ivy



How many prizes do Rani and Ivy have?

Rani has \_\_\_\_\_ prizes.

Ivy has \_\_\_\_\_ prizes.

Answers vary.  
Sample: 1 and 9; 2 and 8;  
3 and 7; 4 and 6

There is more than one correct answer!





# Holistic Assessment (Purpose of Assessment)

- To gather evidence about pupils' knowledge of Mathematics
- To ascertain whether learning has taken place
- To provide parents with information on their children's achievement





# Holistic Assessment (Modes of Assessment)

## Formative Assessment (On-going)

- PALM Activities
- Questioning & Feedback
- Evidence from pupils' work
- Group/Class Presentations
- Performance Tasks
- Reviews





# Teaching & Learning Resources

- Primary Mathematics (Course Books & Practice Books)
- Problem-Solving Booklets
- Play-And-Learn Mathematics (PALM) Booklet
- Practice Papers
- Supplementary Worksheets





# How Parents Can Help

Basic pre-numeracy skills such as matching, sorting and comparing are necessary in providing a good grounding for pupils to begin learning at Primary 1.

- Ensure that your child has a good mastery of the basic number concepts and skills
  - recognise, read and write number symbols 0 to 20
  - able to count up to 20
- Activities such as matching, sorting, pairing, ordering and patterning would help your child develop her number sense and basic number concepts





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