

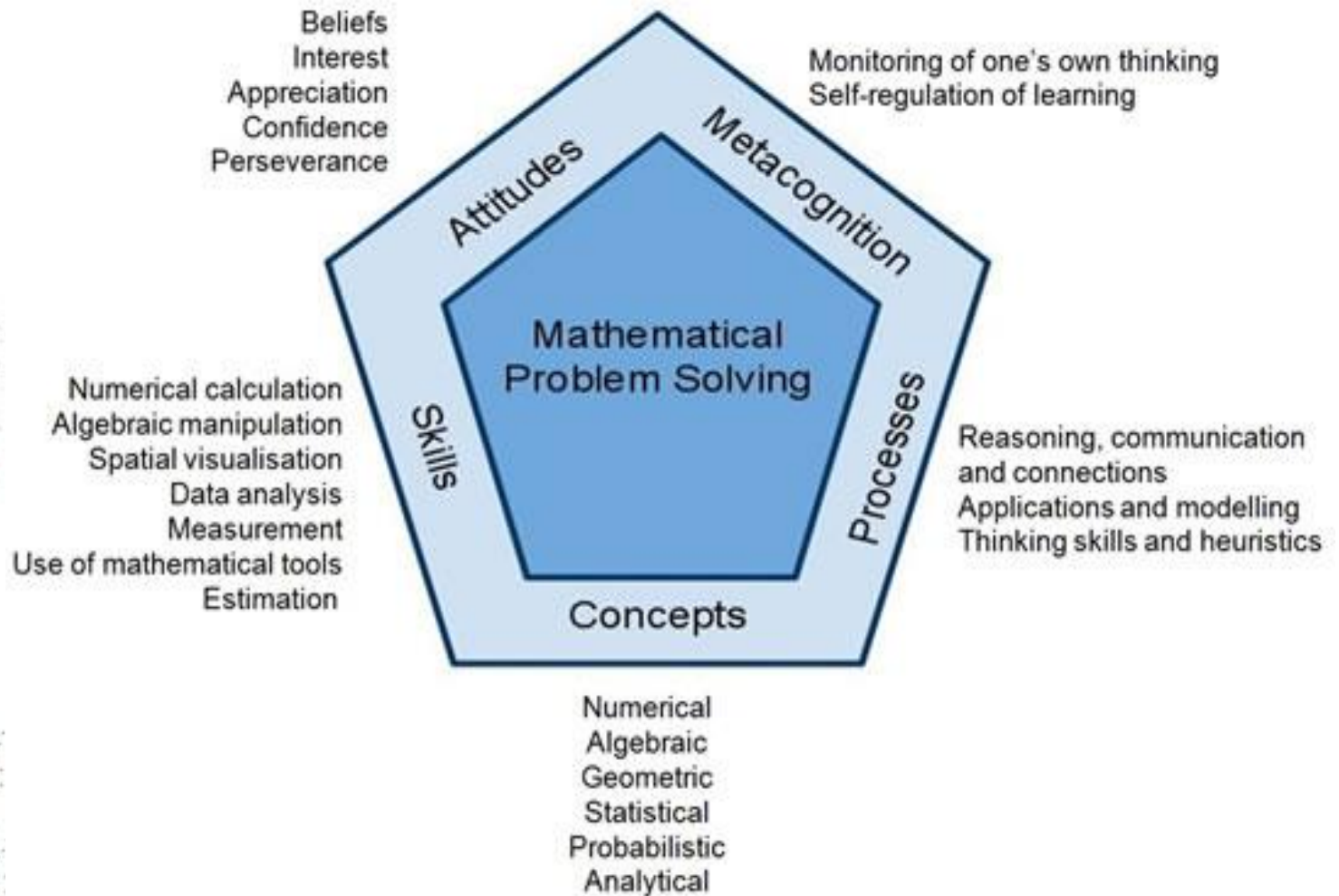
Mathematics in Primary 1

Sharing with Parents

30 December 2019



Mathematics Framework



Aims of Primary Math Syllabus

- Acquire Math concepts and skills
- Apply Math concepts and skills for everyday use
- Concepts and skills acquired will support further learning in Math, aid in developing different levels of thinking, reasoning, communication, application and metacognitive skills





Learn Math,
Live Math,
Love Math.



Our Goals

- To enable pupils to **acquire mathematical concepts and skills** and **apply them in mathematical situations**
- To **develop** and support pupils' **critical thinking and problem solving skills** in Mathematics for them to be **confident and creative problem solvers**
- To foster pupils' **positive attitudes** towards the **learning of Mathematics**
- To enable pupils to **appreciate** the role of **Mathematics in real life**



Math in Primary 1

- Numbers & Algebra
- Measurements & Geometry
- Statistics



Numbers & Algebra

- Numbers 0 to 10
- Number Bonds
- Addition
- Subtraction
- Numbers Showing Positions
- Numbers to 20
- Numbers 0 to 100
- Addition and Subtraction Within 100
- Multiplication
- Division



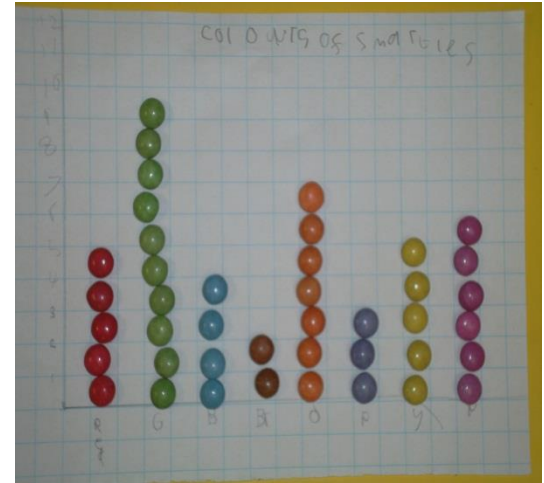
Measurements & Geometry


- Length
- Shapes
- Money
- Time



Statistics

- Picture Graphs



My Favorite Sport	
Baseball	
Football	
Basketball	
Soccer	

C-P-A Approach in Math Learning

- Concrete
 - Use of manipulatives
 - Hands-on activities
- Pictorial
 - Use of pictorial representations and/or drawing of diagrams and models
- Abstract
 - Numerical representations, symbolic representations, algorithms and mental calculations





Math Programmes for Primary 1

- Learning Support in Math (LSM)
 - Early intervention support for students who need help in acquiring basic numeracy skills.
- Fun in Math
 - Enrichment activities for students with aptitude in Math to expose them to various skills (such as classification, visual-spatial skills, logical reasoning, pattern recognition etc) through games and activities.

Formative Assessments

- An integral part of teaching and learning
- On-going process where teachers gather information about students' learning to inform and support teaching



Modes of Formative Assessments

- Oral Question & Answer
- Diagnostic Tasks
- Pen-and-Paper Tasks
- Performance Tasks
- Journal Writing



Feedback to Parents

- Check-point feedback given after units are taught
- Based on 4-Level Qualitative Descriptors
 - Beginning
 - Developing
 - Competent
 - Accomplished





Henry Park Primary School
Mathematics
Primary 1
Feedback to Parents

Name: _____ () Parent's Signature: _____

Class: Primary 1 _____

Unit 2 (Addition and Subtraction Within 100)



No.	Learning Objectives	Beginning	Developing	Competent	Accomplished
1	Adding ones to a 2-digit number without renaming.				
2	Subtracting ones from a 2-digit number without renaming.				
*3	Adding tens to a 2-digit number.				
*4	Subtracting tens from a 2-digit number.				

Formative Assessments

- Non-weighted
- Focus on growth and mastery, NOT on grades and performance
- Build students' confidence to learn to promote Joy of Learning



How to support your child

- Have a homework routine
- Review regularly the basic concepts & skills your child has learnt in class
- Focus on their efforts, not their mistakes
- Always motivate and encourage them to give them the confidence



How to support your child

- Play Math games
 - Number Snap!
 - Addition/Subtraction Bingo
 - Skip Count



- Read Math-related stories
 - The Very Hungry Caterpillar (Eric Carle)
 - Amanda Bean's Amazing Dream (Cindy Neuschwander)
 - How Big Is A Foot? (Rolf Myller)

How to support your child

- Provide and create opportunities to explore Mathematics through real-life experiences
 - Estimating number of items in a container
 - Estimating time taken to travel from home to school
 - Tell and read time from analogue and digital clocks or watches
 - Calculate total cost of items while grocery shopping
 - Reading the mass or volume of items indicated on the labels
 - Licence-plate Math


Eg SMR 9577 U $\rightarrow 9 + 5 + 7 + 7 = 28$

$\rightarrow 9 + 5 = 7 + 7$

MATHEMATICS

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

*~ William Paul Thurston
(1946 – 2012)*

The image shows a close-up of a green chalkboard. Two pieces of pink chalk are lying on the surface. In the background, there are faint white chalk drawings, including a heart shape and some abstract lines. The text is overlaid on the right side of the image.

**Have an enjoyable
learning journey in
the primary school
years with your child!**