

Primary 1 Mathematics Curriculum Briefing

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Outline

- Mission
- Math Curriculum
- Approach to Teaching & Learning
- Assessment



Mission

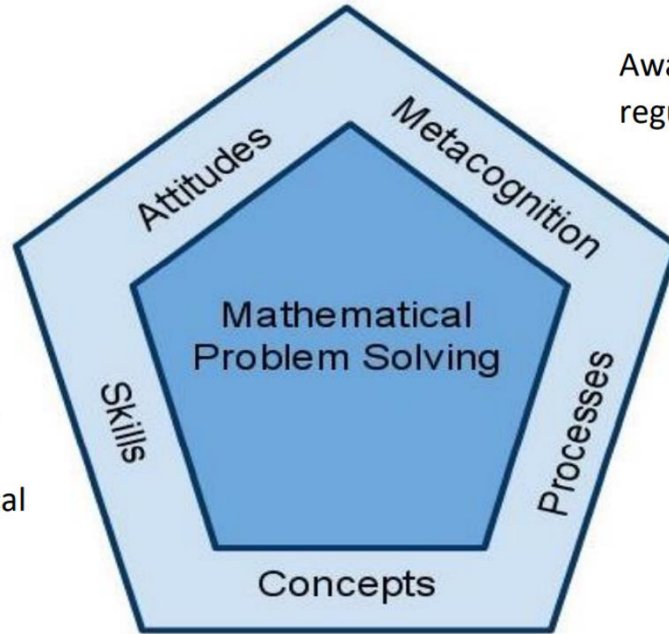
To develop our pupils with **mathematical concepts** and **skills** for everyday life and to equip them with **process skills to solve mathematical problems.**



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



Content Sequence for Topics for P1

Semester 1	Semester 2
Term 1 Numbers to 10 Addition up to 10 Subtraction up to 10 Shapes Ordinal Numbers	Term 3 Addition and subtraction within 100 Length Multiplication
Term 2 Numbers to 20 Addition and subtraction up to 20 Picture Graphs Numbers to 100	Term 4 Division Time Money



Teaching & Learning

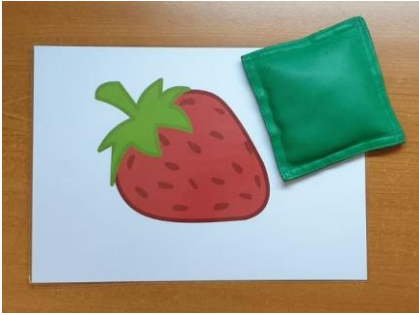


- 10 periods of Math per week
- Use of Concrete – Pictorial – Abstract approach
- Learning experiences



Experiential Learning

P1 – Picture Graphs



Names: Shiyeon & Jayne Class: P1 1A

Number of fish caught ✓

♥				
♥				
♥	♥		♥	
♥	♥	♥	♥	♥
♥	♥	♥	♥	♥
Blue	Red	Green	yellow	purple
Each	♥	stands for 1 fish		

Score Sheet

Group : Green

Station 1 : The Happy Fishergirls

Title : Number of Fish Caught

Talia
Shi Yuan

Jayne + Shi Yuan

Colours	Round 1	Round 2	Round 3	Round 4	Round 5	Total
Blue	✓	✓✓	✓✓	✓		6
Red	✓	✓✓				3
Green	✓		✓			2
Yellow	✓	✓	✓			3
Purple	✓		✓			2

Write 3 sentences about your graph.

- 1) There are the same number of red and yellow fish. ✓
- 2) There are three³ more blue fish than red fish. ✓
- 3) in total There are 16 fish altogether. ✓



P1 – Length

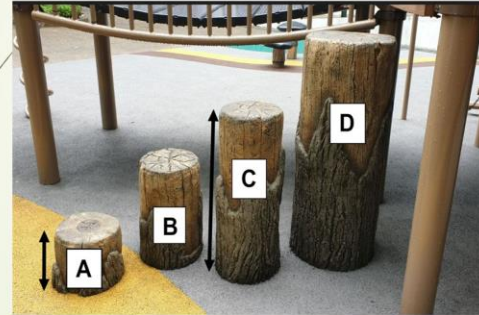
Classroom Activities

- ▶ In pairs, students will measure the following objects using a measuring tape.
- ▶ FTGP Booklet
- ▶ Height and width of pupil's desk
- ▶ an object in their pencil case



Outdoor Activities

- ▶ In pairs, students will measure objects around the school.



Activity-based learning

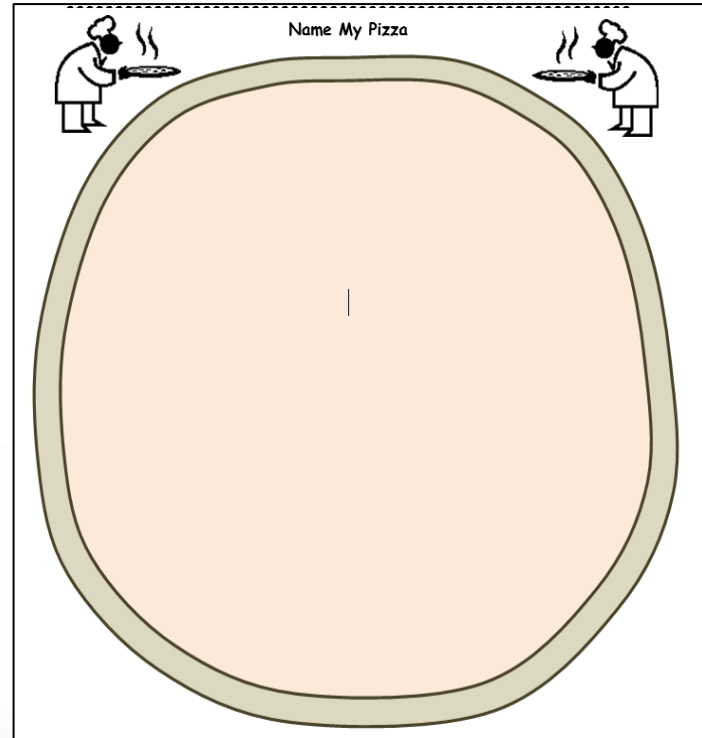
Name My Pizza

Objectives: Students will make and name their own pizza by cutting out the four basic shapes to form various toppings.



TOPPING CHART

- Cheese** - Yellow Triangles
- Green Peppers** - Green Rectangles
- Pepperoni** - Red Circles
- Pineapples** - Orange Squares



Differentiated Instructions


Giving students autonomy

Main Dish 2

MY ICE CREAM TOWER

1 scoop some ice cream onto my cone.

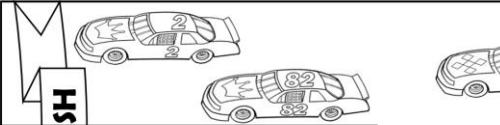
3rd scoop is **green**.
 6th scoop is **orange**.
 Last scoop is **pink**.
 First scoop is **white**.
 Second scoop is **purple**.
 Colour **yellow** after the green scoop.
 Colour **blue** before the orange scoop.



Main Dish 1 **Car Racing**

Read the clues and colour the cars below.


3 rd car is green .	1 st car is orange .
Last car is pink .	Second car is purple .
Colour yellow after the green car.	Colour blue before the yellow.



How many girls are there?

Problem given below.
(to help you)

Ariel is standing **between** Sally and Lyn in a queue.
 Two girls are standing **before** Sally.
 One girl is standing **after** Lyn.
 How many girls are there in the queue?



Ariel

There are _____ girls in the queue.

Math Menu
Ordinal Numbers


Starter	Main Dish (Choose 1 to do)	Dessert
Stickers Line-up	1. Car Racing 2. My Ice Cream Tower	How many girls are there?

first	1 st	sixth	6 th
second	2 nd	seventh	7 th
third	3 rd	eighth	8 th
fourth	4 th	ninth	9 th
fifth	5 th	tenth	10 th

Name: _____
 Class: _____
 Date: _____




RGPS School Worksheets

 **RAFFLES GIRLS' PRIMARY SCHOOL**
MATH SUPPLEMENTARY WORKSHEET 2

NAME: _____ () DATE: _____

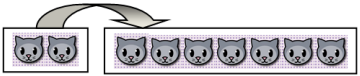
TOPIC: Addition Within 10 CLASS: P 1 ()

Choose the correct answer and write its number in the brackets provided.

1. 

$5 + 3 = \underline{\quad}$



(1) 5
(2) 2
(3) 8
(4) 9 ()

2. 



There are _____ cats altogether.

(1) 7
(2) 2
(3) 8
(4) 9 ()



2. Write the time **with** 'am' and 'pm'.

(a)  

Lisa is doing her homework at _____.

(b)  

Tom is having his breakfast at _____.

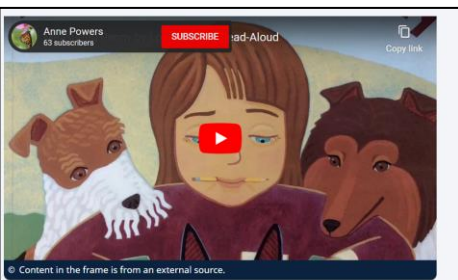
(c)  

Peter is cycling at _____.



ICT enriched lessons

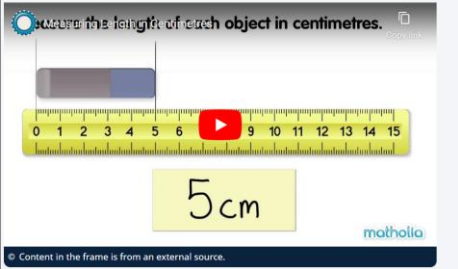
Topic: Length



Anne Powers
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Read Less



Measure the length of each object in centimetres.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

5cm

matholia

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Using stories and videos to introduce lesson

Things in the bedroom Things in the living room View All

There are many things around in your house especially the bedroom. Look around and upload 1 picture with the measurement shown.

After you have submitted your picture, look at what your friends have submitted. Click on "View All" to look at their pictures. If you think they are right, do say "Well done" or "Great job" to them!

For example:
The width of my cross-stitch craft work is about 22 cm long.




Measuring things around the house and uploading it to SLS

There are many things around in your house especially the living room. Look around and upload 1 picture with the measurement shown.

After you have submitted your picture, look at what your friends have submitted. Click on "View All" to look at their pictures. If you think they are right, do say "Well done" or "Great job" to them!

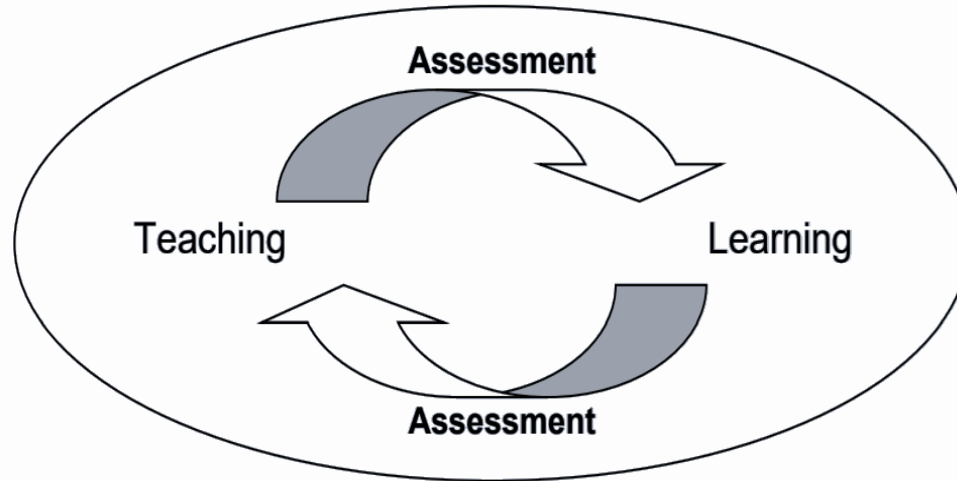
For example:



The length of the tissue box is about 21 cm long.



Assessment Matters



Teaching & Learning

- No weighted assessments/exams for Primary One
- Instead, there will be various modes of formative assessments to assess pupils' learning
 - Worksheets (Workbook and RGPS worksheets)
 - Performance Task (PT): hands-on task for authentic experiences
 - Activity based learning using math manipulatives
 - Games, ICT enriched lessons
 - Differentiated instructions lessons



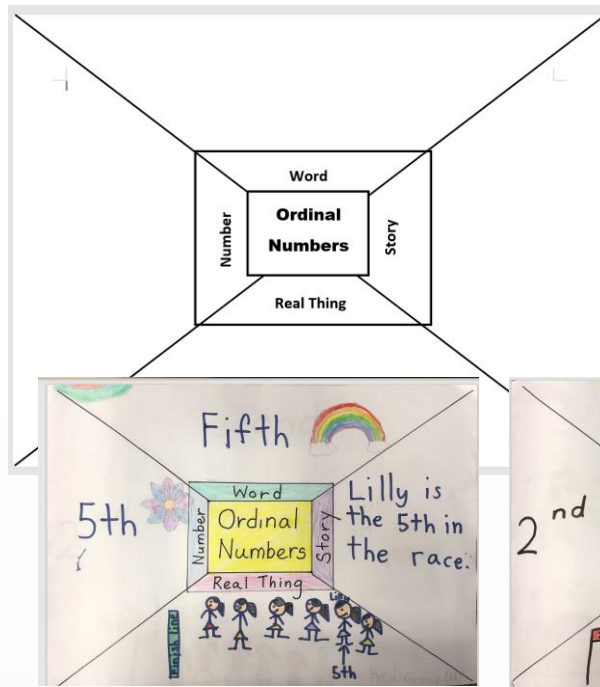
Formative Assessments

2-1 Exit Card

- Write down **2 things** which you have learnt today for comparing & ordering of fractions.
- Write down **1 challenge** which you face for this topic.

2 things I have learnt today are:

1 challenge that I face for this topic is:



Formative Assessments

Division - Activity Sheet 1 (Journal Writing)

Name: _____ () Date: _____

Class: P1 _____

Write a division story about the picture.

<Insert picture of 1 girl standing near the table,
12 pencils & 2 boxes on a table>

You may use these words to help you:

pencils boxes group each equally



Teacher's assessment after each topic



RAFFLES GIRLS' PRIMARY SCHOOL
PRIMARY ONE MATHEMATICS

FEEDBACK

Rectangular Ship

Name: _____ ()

Class: _____

Numbers To 10	Novice	Developing	Proficient
• Count to tell the number of objects in a given set			
• Read and write numbers in numerals and words			
• Compare the number of objects in two or more sets			
• Compare and arrange numbers in the given order			
• Recognise and complete number patterns			

		Teacher's Comments (if any)
Write number equations <i>(where applicable)</i>		
Write unit of measurement <i>(where applicable)</i>		
Show your working <i>(where applicable)</i>		
Revise concepts learnt at home		
Check your work carefully		
Write neatly		

Parent's Signature & Date		



How can you help your child?

- - Make math **Fun**
 - Show the relevance of Math in real-life
 - Be encouraging and adopt a positive mindset,
 - celebrate every success!



Thank you!

