

Primary 5 Mathematics Curriculum Briefing

June Chong
Subject Head, Mathematics



Outline

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



Mission

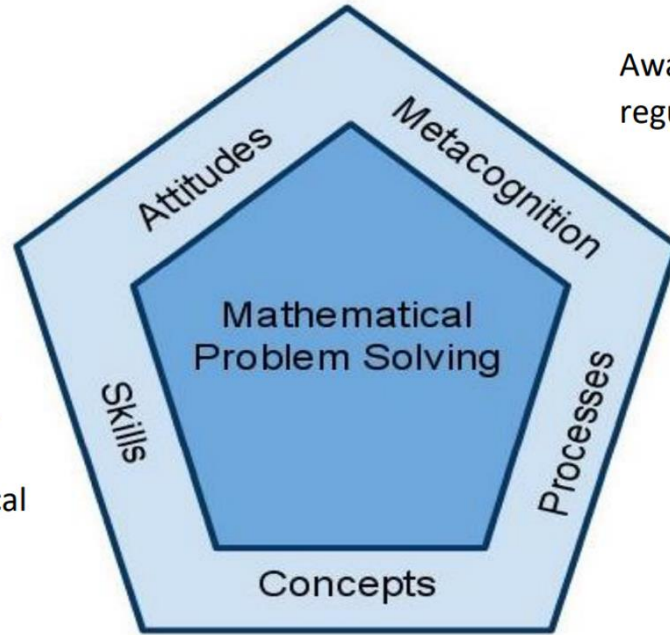
To develop our pupils with **mathematical concepts** and **skills** for everyday life and to equip them with **process skills to solve mathematical problems.**



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



Topics in P5 Mathematics

Whole Numbers	Percentage
Fractions	Ratio
Decimals	Average
Volume of Cube & Cuboid	Rate
Area of Triangles	Geometry



Teaching & Learning



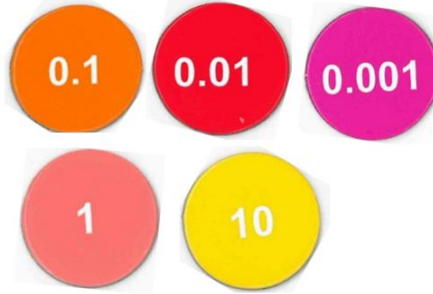
- 10 periods of Math per week
- Use of Concrete – Pictorial – Abstract approach
- Learning experiences



Teaching & Learning



Fraction Discs



Number Discs



Wooden cubes



P5 – Volume

Concrete → **Pictorial** → **Abstract**



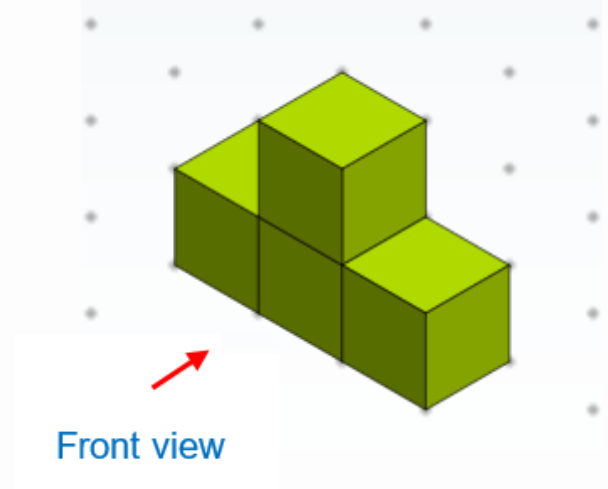
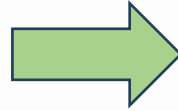
2	1	1
2	1	1
1		



Without building the solid, describe the solid based on the given map view .




↑
Front view



Problem-solving packages


RAFFLES GIRLS' PRIMARY SCHOOL
MATHEMATICS
PRIMARY 5

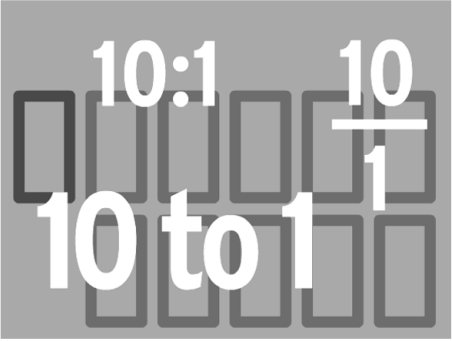
Percentage
Problem Sums



1. One Item Constant []	2. Constant Total []	3. <u>Constant Difference</u> []
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Name: _____ Class: _____


 RAFFLES GIRLS' PRIMARY SCHOOL
MATHEMATICS
PRIMARY 5



**Ratio
Problem
Sums**

S/N	Key Concepts
1.	One Item Constant
2.	Constant Difference
3.	Constant Total
4.	<u>Challenge</u> : Do you know your concepts?

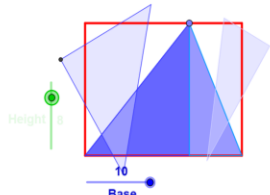
Name: _____ Class: _____



ICT enriched lessons

Using an applet to derive the formula to calculate the area of a triangle

Slide to show explanation



Height 8

10

Base

Content in the frame is from an external source.

The diagram shows a blue triangle with a red rectangular box around it. The base of the triangle is labeled '10' and the height is labeled '8'. The text 'Slide to show explanation' is at the top left, and 'Content in the frame is from an external source.' is at the bottom.



Base & Height of a Triangle

08:11

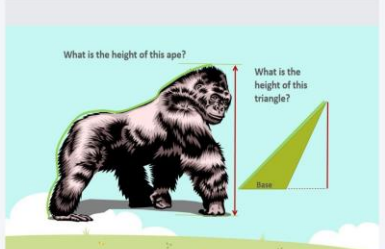
Asilah_Video2_base_height_triangle_EDIT.mp4

The video player shows a sign on a wooden post in a tropical setting. The sign says 'Base & Height of a Triangle'. The video player interface includes a play button, a progress bar at 08:11, and the filename 'Asilah_Video2_base_height_triangle_EDIT.mp4'.

SLS MY DRIVE PS Area of Triangle / A. Identifying Base and Height of Triangle

You're in the Course View mode.

[Flipped] It is POLL time - What do you know about base and height of a triangle? [ALL]



What is the height of this ape?

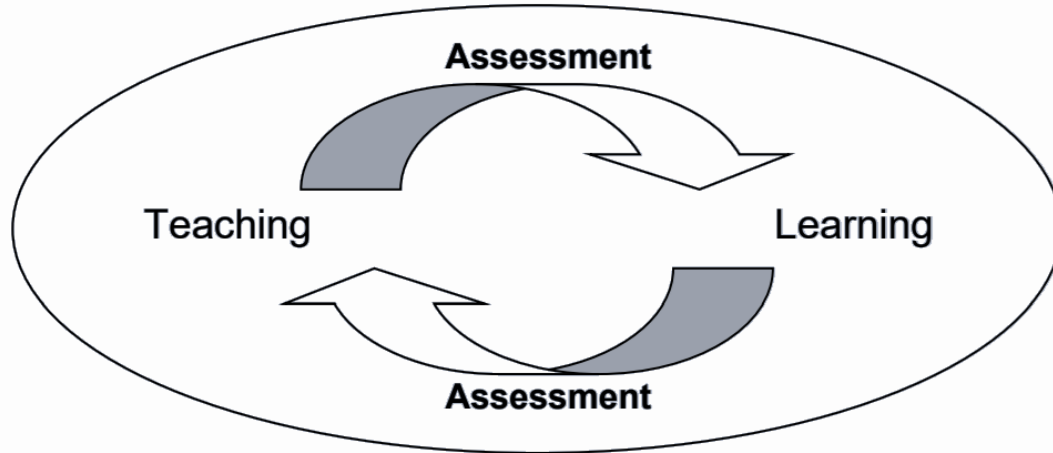
What is the height of this triangle?

Base

The poll question is displayed on a screen. It asks 'What is the height of this ape?' and 'What is the height of this triangle?'. Below the questions is an image of a gorilla and a triangle with its base labeled 'Base'.



Assessment Matters



Topical Review Feedback

I am      over my performance because

I need to work on the following area

- Multiplication & identifying pattern to find a product*
- Dividing by 10, 100 & 1000*
- Multiplication & rounding numbers to nearest 10, 100 or 1000*
- Problem solving involving four operations*
- Problem solving involving four operations using appropriate strategies*

Specific learning outcomes

I will

to improve on the areas of weakness.

Student's reflection

Page Number & Question Number	Learning Outcomes
<u>WB Chapter 1 - Practice 1</u> • Pg 6 Qn 2, <u>WB Chapter 1 - Review</u> • Qn 2 <u>WB Math Journal</u> • Pg 8	Translate 6- and 7-digit numbers from: (i) numerals to words
<u>WB Chapter 1 - Practice 1</u> • Pg 5 Qn 1, <u>WB Chapter 1 - Review</u>	Translate 6- and 7-digit numbers from: (ii) words to numerals
• Pg 7 Qn 3, 6, 7	

Appendix for pupils to refer to for revision



Summative Assessments

Weighted Assessment 1	Weighted Assessment 2	End-Year-Examination	Total
15%	15%	70%	100%



Summative Assessments

Primary 5	Weighted Assessment 1	Weighted Assessment 2
Date	Term 2 Week 5	Term 3 Week 5
Marks (Duration)	30 marks (50 min)	30 marks (50 min)
Topics	Whole Numbers Fractions	Decimals Percentage Ratio



P5 Mathematics Examination Format

Paper	Booklet	Item Type	Number of questions	Number of marks per question	Total marks	Duration
1	A	Multiple-choice	10	1	10	1 h
			5	2	10	
	B	Short-answer	5	1	5	
			10	2	20	
2		Short-answer	5	2	10	1 h 30 min
		Structured/ Long-answer	12	3, 4 or 5	45	
Total			47	-	100	2 h 30 min



Introduction of Calculator at P5

- Achieve a better balance between the emphasis on computational skills and problem-solving skills in learning and assessment
- Widen the repertoire of teaching and learning approaches to include investigations in authentic situations
- Guidelines on the use of calculator and approved calculators can be found on SEAB website
- Only used in **Paper 2**



How can you help your child?

- - Make math **Fun**
 - Show the relevance of Math in real-life
 - Encourage them to check their work for accuracy, not for speed.
 - Ensure that they have shown you their work and filed it properly to facilitate revision.
 - Be encouraging and adopt a positive mindset, celebrate every success!



Thank you!

