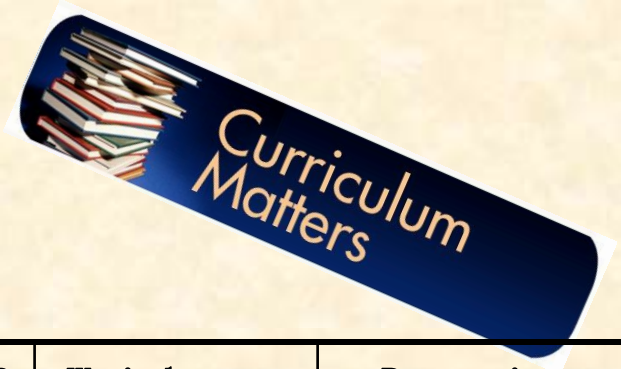
Subject briefing (Mathematics)

Assessments (Primary 5)

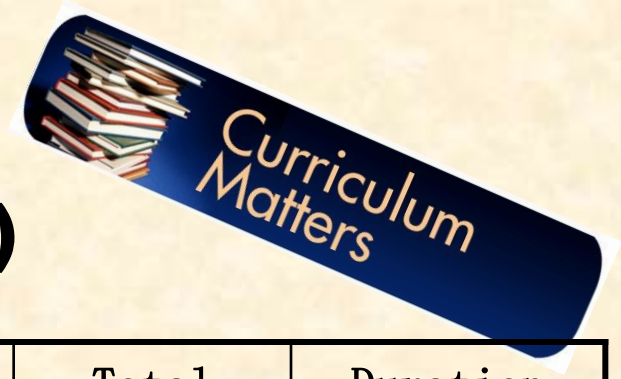
Term 1	Term 2	Term 3	Term 4
1 test Half paper (50 marks)	1 exam	1 test Full paper (100 marks)	1 exam
Non-weighted	**SA1 (30%)**	Non-weighted	**SA2 (70%)**
Total: 100%			

Format of Exam Paper (Primary 5/PSLE)



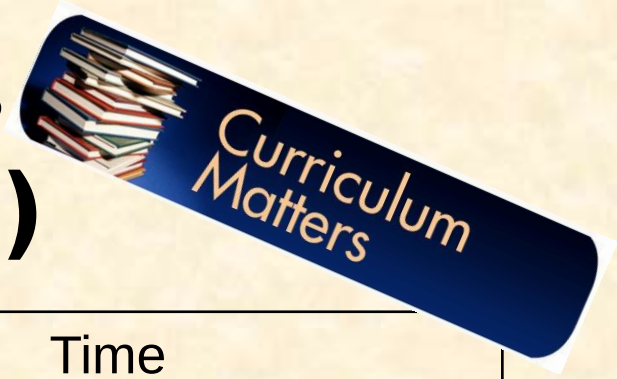
Paper	Booklet	Item Type	No. of questions	No. of marks per qn	Weightage	Duration
1 Cal. **NOT** allowed	A	Multiple-choice	10	1	10%	1 h
			5	2	10%	
	B	Short - answer	5	1	5%	
			10	2	20%	
2 Cal. allowed		Short-answer	5	2	10%	1 h 30 min
		Structured/ Long-answer	12	3, 4, 5	45%	
Total			**47**		**100%**	**2 h 30 min**

Format of Exam Paper (Primary 5/PSLE - Foundation)



Paper	Booklet	Item Type	No. of questions	No. of marks per qn	Total marks	Duration
1 Cal. **NOT** allowed	A	Multiple-choice	10	1	10	1 h
			10	2	20	
	B	Short - answer	10	2	20	
2 Cal. allowed		Short-answer	10	2	20	1 h
		Structured/ Long-answer	6	3 or 4	20	
Total			46		90	2 h

Term Review 1 topics (P5 Math – 25 Feb Mon)



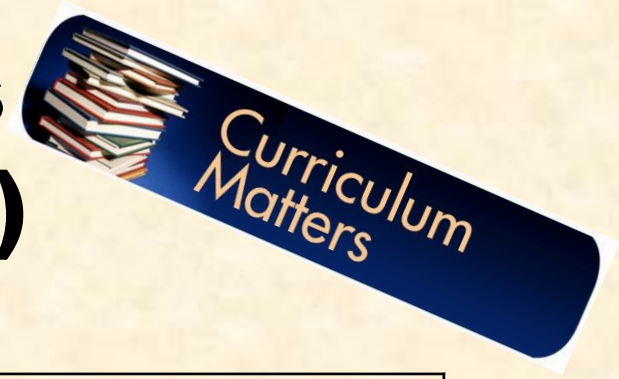
P4 topics	• Whole Numbers • Fractions • Decimals • Area & Perimeter	• Time • Geometry • Line & Bar graph
P5 topics	• Whole Numbers • Operations on Whole Numbers • Fractions (Up to Activity 10)	
Others	Problem solving skills will be tested	

Format
Section A: Multiple choice questions
Section B: Short-answer questions
Section C: Problem sums

Duration: 1 hour 30 minutes

(Calculators are not allowed.)

Term Review 1 topics (P5 FMA – 25 Feb Mon)



P5 topics	• Whole Numbers – Place Values • Whole Numbers – Addition & Subtraction • Whole Numbers – Multiplication & Division
Others	Problem solving skills will be tested

Format

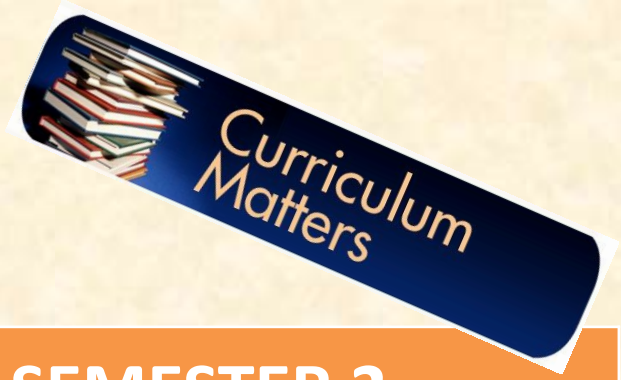
Paper 1: 25 marks
Multiple choice & Short answer questions

Paper 2: 20 marks
Short-answer questions & Problem sums

Total Duration: 1 hour
Total Marks: 45 marks

(Calculators are allowed for Paper 2 only.)

TOPICS (MATHEMATICS)



SEMESTER 1
5A Unit 1 – Whole Numbers
5A Unit 2 – Order of Operations
5A Unit 3 – Fractions
5A Unit 4 – Area of Triangles
5A Unit 5 – Ratio
5A Unit 6 – Volume

SEMESTER 2
5B Unit 1 – Decimals
5B Unit 2 – Four Operations of Decimals
5B Unit 3 – Percentage
5B Unit 4 – Rate
5B Unit 5 – Average
5B Unit 6 – Angles
5B Unit 7 – Triangles
5B Unit 8 – Quadrilaterals

TOPICS (FOUNDATION MATHEMATICS)

SEMESTER 1	SEMESTER 2
5A Unit 1 – Whole Numbers: Place Values	5B Unit 1 – Decimals: Place Values
5A Unit 2 – Whole Numbers: Addition & Subtraction	5B Unit 2 – Decimals: Four Operations
5A Unit 3 – Whole Numbers: Multiplication & Division	5B Unit 3 – Fractions: Multiplication
5A Unit 4 – Fractions: Introduction	5B Unit 4 - Time
5A Unit 5 – Fractions: Addition & Subtraction	5B Unit 5 – Perimeter, Area & Volume
5A Unit 6 – Geometry	5B Unit 6 - Rate
	5B Unit 7 – Tables & Graphs

GENERAL INFORMATION

Paper 1:

Booklet A: Multiple Choice Questions (MCQ)

Booklet B: Short Answer Questions (15 qns)

- To show workings clearly and write the correct answers in the spaces provided
- *Do not erase the workings as method marks maybe awarded for the **correct workings** (for 2 marks questions) shown, if the answer is wrong.

GENERAL INFORMATION

Paper 2: Calculators allowed

5 Open-Ended Questions (2 marks each) &
12 Problem Sums (3, 4 or 5 marks)

Problem Sums

- To show each step taken and workings clearly, so that method marks and answer marks can be awarded accordingly.
- *Pupils are encouraged to show all steps as method marks maybe awarded, even if the answer is wrong.

PRESENTATION OF SOLUTIONS

- **Consistency** in units of measure

  3 **kg** x 4 = 12 **kg**

- **Use equal signs** correctly

  ½ of total amount = $45 ☺

  ~~½ = $45~~ ☹

- Show the method of solution (working steps) clearly
- Standard units of measurement should accompany the final answers.

Example:

Ans: 10 cm, 10 m, 10 kg, $10

PRESENTATION OF SOLUTIONS

25% of the boys in a hall is equal to 16% of the girls.

There are 72 more girls than boys.

How many children are there in the hall?

36% of girls = 72

64% of girls = (72 ÷ 36) x 64

= 128

128 x 2 + 72 = 328

Ans: 328

Wrong Mathematical Statement/Presentation

36% = 72

64% = 128

EXAMPLES OF PROBLEM SOLVING HEURISTICS

- Draw a model or diagram
- Make a systematic list/ Tabulation
- Before / after concept
- Look for a pattern
- Guess & Check
- Work backwards
- Supposition

APPROVED CALCULATORS

S/N	Calculator Brand	Calculator Model	Approved Period[1]
1	CASIO	FX 82MS	2003 – 2021
2		FX 85MS	2003 – 2021
3		FX 95MS	2003 – 2021
4		FX 96SG Plus	2013 – 2021
5		FX 97SG X	2018 – 2022
6		FX 350MS	2003 – 2021
7	CANON	F-960SG	2017 – 2021
8	SHARP	EL 509X	2015 – 2019
9		EL W531S	2010 – 2023
10		EL W531S II	2018 – 2022
11		EL W531XM	2014 – 2023
12		EL 533X	2013 – 2020