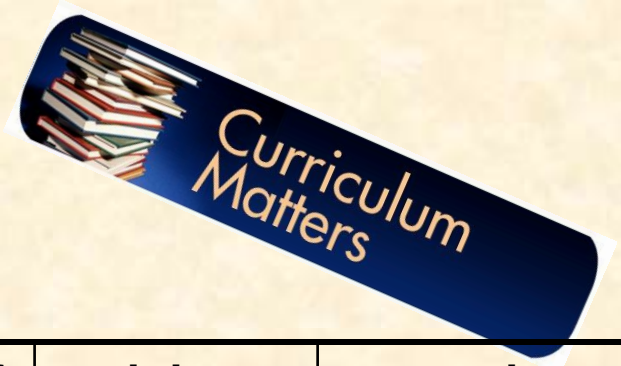
Subject briefing
Primary 6
Mathematics

Assessments (Primary 6)

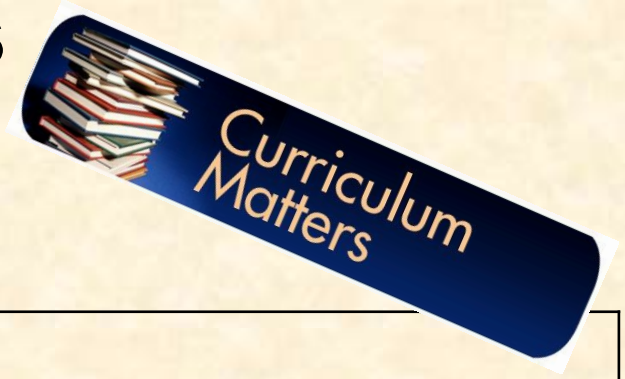
Term 1	Term 2	Term 3	Term 4
1 test Full paper	1 exam Full Paper	1 exam Full paper	PSLE
Non-weighted	**SA1 (100%)**	**Prelim (100%)**	**PSLE**

Format of Exam Paper (Primary 6/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**

Term Review 1 topics
P6 Math –
(28 Feb Thursday)



P5 topics	• Whole Numbers • Fractions • Decimals • Ration & Percentage • Rate • Measurement • Geometry • Statistics
P6 topics	• Algebra • Fractions • Percentage (Up to Activity 4 of Shaping Math Activity Book 6A)
Others	Problem solving skills will be tested

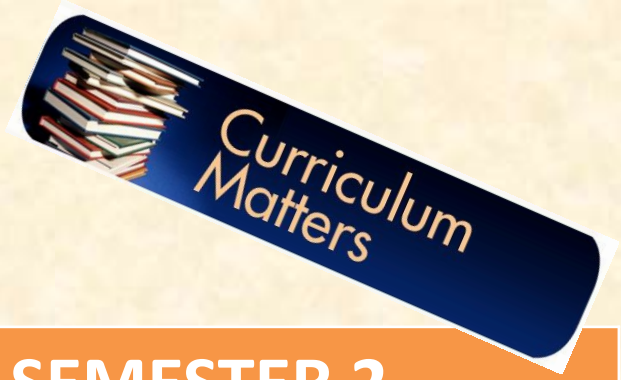
Format

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

Total Duration: 2 hour 30 minutes

(Calculators are not allowed.)

TOPICS (MATHEMATICS)



SEMESTER 1	SEMESTER 2
6A Unit 1 – Algebra	6B Unit 1 – Speed
6A Unit 2 – Fractions	6B Unit 2 – Volume
6A Unit 3 – Percentage	6B Unit 3 – Pie Charts
5A Unit 4 – Ratio	6B Unit 4 – Solid Figures
5A Unit 5 – Circles	
5A Unit 6 – Angles in Geometrical Figures	

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

<u>Paper 2: Calculators allowed</u>

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:

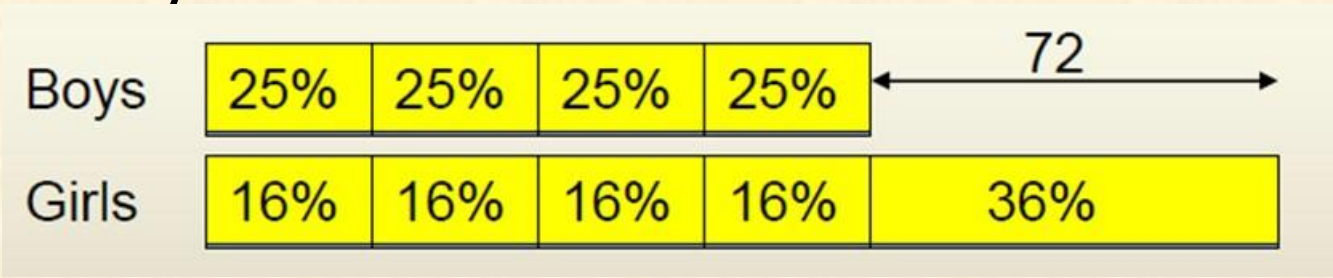
Ans: 10 cm, 10 m, 10 kg, $10

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

Partnership with the school…

- Practice Papers from school...
  - Ensure conducive working environment.
  - Insist that your child stick to the given time frame…nothing more and nothing less.
  - Good time management practice.

As a pillar of strength and support for your child…

- Praise, encourage and motivate
- Strategize – focus on areas of weaknesses
- Time Management
- **Ensure that mistakes made are corrected**
- **Exposure to Non-routine problems**
- More math…in other forms
  - Math Games → Coolmath.com
  - Math Literature → Math magazines
  - Daily life
- **Manage stress** – watch for change in behaviour

Best wishes

for the PSLE!!!