



Subject Briefing for parents

Primary 6 Mathematics

P6 TOPICS

SEMESTER 1

6A Unit 1 – Algebra

6A Unit 2 – Fractions

6A Unit 3 – Percentage

6A Unit 4 – Ratio

6A Unit 5 – Circles

6A Unit 6 – Angles & 4-sided
figures

SEMESTER 2

6B Unit 1 – Speed

6B Unit 2 – Volume

6B Unit 3 – Pie Charts

6B Unit 4 – Solid Figures

Assessments

Term 1	Term 2	Term 3	Term 4
Term Review 1 (TR1)	SA1	Prelims	PSLE
Full paper	Full paper	Full paper	Full paper
Non-weighted	100%	100%	100%

Format of Paper

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

Paper 1 Booklets A & B:

Use of calculator is NOT ALLOWED

Booklet A: 15 Multiple Choice Questions (MCQ)

- Indicate answer on qn paper to facilitate checking
- Shade oval in OAS after completing each qn

Booklet B: 15 Short Answer Questions

- 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.

Paper 2

Use of calculator is **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 may be awarded, even if the answer is wrong.

PRESENTATION OF SOLUTIONS

- **Consistency** in units of measure

$$3 \text{ kg} \times 4 = 12 \text{ kg}$$

- **Use equal signs** correctly

$$\frac{1}{2} \text{ of total amount} = \$45 \text{ 😊}$$

$$\text{---} \frac{1}{2} = \$45 \text{ 😞}$$

- Show the method of solution (working steps) clearly
- Standard units of measurement should accompany the final answers. Missing units in final answers will result in mark(s) deduction.

Example:

Ans: 10 cm

Ans: \$517

Ans: 264 m

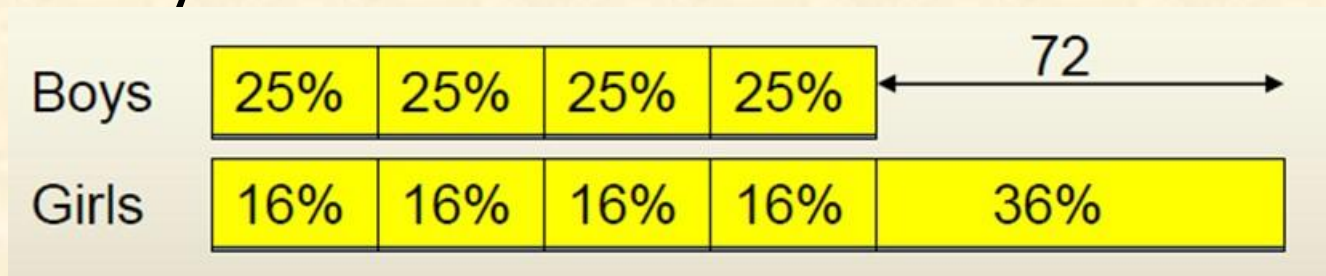
Ans: 34 kg

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?



$$36\% \text{ of girls} = 72$$

$$64\% \text{ of girls} = (72 \div 36) \times 64$$
$$= 128$$

$$128 \times 2 + 72 = 328$$

Ans: 328

**Wrong Mathematical
Statement/Presentation**

$$36\% = 72$$

$$64\% = 128$$

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

List of APPROVED calculators

S/N	Calculator Brand	Calculator Model	Approved Period
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 W531S	2010 – 2023
9		EL W531S II	2018 – 2022
10		EL W531XM	2014 – 2023
11		EL 533X	2013 – 2024

Partnership with the school...

- Practice Papers from school...
 - Ensure conducive working environment.
 - Insist that your child sticks 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** – ability to apply the concepts taught in unfamiliar questions/situations
- More math...in other forms
 - Math Games → Coolmath.com
 - Math Literature → Math magazines
 - Daily life
 - Logic puzzles
- **Manage stress** – watch for change in behaviour

Best wishes

for the PSLE!!!