



PRIMARY 6

STANDARD MATHEMATICS

Sharing with Parents
February 2025



Curriculum Materials for Students

- Shaping Maths Textbooks 6A & 6B
- Shaping Maths Activity Books 6A & 6B
- School-based Worksheets



Standard Math Topics

SEMESTER 1	SEMESTER 2
Fractions	Volume
Percentage	Algebra
Ratio	Speed
Circles	Solid Figures
Angles in Geometrical Figures	
Pie Charts	



Problem-Solving Skills

***Note:** The examples of problem-solving skills presented in this deck are intended for reference purposes only. They represent some approaches used in Primary 6 but are not exhaustive.*

1. 'Before and After' Problem Sums in Whole Numbers

Example questions from PSLE 2018

Ann had a total of 285 red and blue beads. She used 45 red beads and 40% of the blue beads. After that, the ratio of the number of red beads to blue beads Ann had was 1 : 3.

- (a) What fraction of her blue beads did Ann use?
Give your answer in the simplest form.
- (b) How many beads did Ann have in the end?



Problem-Solving Skills

Note: The examples of problem-solving skills presented in this deck are intended for reference purposes only. They represent some approaches used in Primary 6 but are not exhaustive.

2. Draw a model or diagram

Example from PSLE 2016

Suyin baked some pies. She gave $\frac{1}{5}$ of them to her relatives and 30 of them to her friends. She was left with $\frac{2}{3}$ of the pies. She packed these into 18 boxes. Some boxes contained 6 pies while the rest contained 12.

- (a) How many pies were packed into the 18 boxes?
- (b) How many boxes contained 6 pies?



Problem-Solving Skills

***Note:** The examples of problem-solving skills presented in this deck are intended for reference purposes only. They represent some approaches used in Primary 6 but are not exhaustive.*

3. Look for a Pattern

Example from PSLE 2017

The first 15 numbers of a number pattern are given below.

4, 0, 1, 2, 4, 0, 1, 2, 4, 0, 1, 2, 4, 0, 1, ...
15th

- (a) What is the 626th number?
- (b) What is the sum of the first 627 numbers?



Some Examples of Problem-Solving Strategies

Note: *The strategies presented here are intended for reference purposes only.
They represent some approaches used in Primary 6 but are not exhaustive.*

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



Primary 6

Standard Math Assessments

	Weighting	Paper 1 Booklet A	Paper 1 Booklet B	Paper 2	Total
<u>Term 1:</u> TERM REVIEW 1	nil	20 marks	25 marks	nil	45 marks
<u>Term 2:</u> TERM REVIEW 2	nil	nil	nil	55 marks	55 marks
<u>Term 3:</u> PRELIMS	100%	20 marks	25 marks	55 marks	100 marks
<u>Term 4:</u> PSLE		20 marks	25 marks	55 marks	100 marks



Format of PSLE Standard Math Exam



Paper	Booklet	Item Type	No. of qns	No. of marks per qn	Weighting	Duration
1 Cal. <u>NOT</u> 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

Both papers are scheduled on the same day with a short break in between the two papers.



Paper 1 Booklets A & B:

Use of calculator is **NOT ALLOWED**.

Booklet A: 15 Multiple-Choice Questions

- Indicate answer on question paper to facilitate checking against shaded answer in OAS.
- Strongly encouraged to shade the oval in the OAS after completing each question.

Booklet B: 15 Short Answer Questions

- Show workings clearly and write the correct answers in the answer blanks provided
- Do not erase the workings as method marks **may** be awarded for the **correct workings** shown, even if the answer is wrong.



Paper 2:

Use of calculator is allowed.

5 Short-Answer Questions

- Show workings clearly and write the correct answers in the answer blanks provided
- Do not erase the workings as method marks **may** be awarded for the **correct workings** shown, even if the answer is wrong.

12 Problem Sums (3, 4 or 5 marks)

- Show full solution and workings clearly, so that **method marks** and answer marks can be awarded accordingly.
- **Show all steps taken** as method marks may be awarded, even if the answer is wrong.





Calculators

- Only SEAB-approved for use calculators are allowed in the examination rooms.
- For the list of approved calculators for use in school-based examinations and PSLE, please refer to the SEAB website (<https://www.seab.gov.sg/psle>)



Presentation of solutions

- **Consistency** in units of measure

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

- **Use equal signs** correctly

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

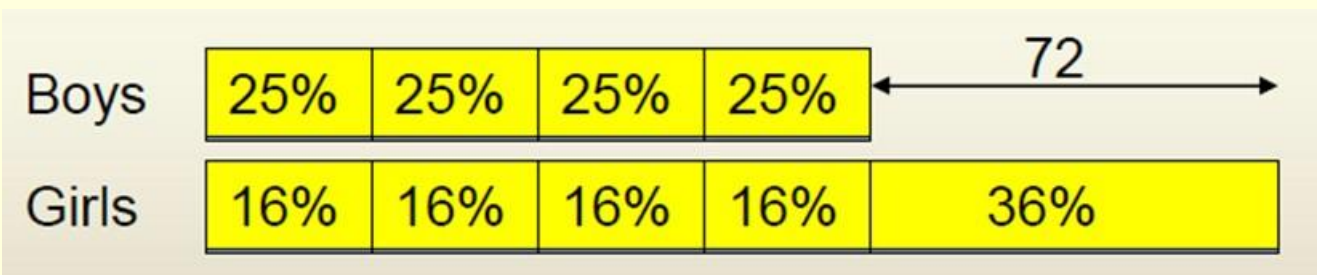
$$\text{—————} \frac{1}{2} = \$45 \text{ 😞}$$

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



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**

$$36\% = 72$$

$$64\% = 128$$



Partnership with the school

Do support the learning of your child in Math by

- Reminding him/her to submit completed school assignments punctually .
- Ensuring he/she has a conducive working environment at home.
- Encouraging him/her to check the completed work and do corrections for mistakes made.
- Encouraging him/her to seek clarifications in class when in doubt.



To support your child

- Affirm and praise the effort he/she has put in.
- Encourage and motivate your child.
- Provide joy of learning via physical or digital math games, logic puzzles and/or the reading of math magazines.
- Discuss the use of Math in daily life, such as GST and discount in shopping.
- Guide them to manage their stress by looking out for any change in behaviour or temperament.



Mathematics
is not about numbers,
equations,
computations, or
algorithms. It is about
understanding.

– William Paul Thurston

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