



# PSLE

# Foundation

# Mathematics

Mathematics Department

**A Garden where Scholars Bloom**



# ASSESSMENT OBJECTIVES

Pupils should be able to:

- ❖ **recall** specific mathematical facts, concepts, rules and formulae, and perform straightforward computations.
- ❖ **interpret** information, **understand and apply** mathematical concepts and skills in variety of simple concepts.
- ❖ **Reason** mathematically, **analyse** information and make inferences in simple situations.

A decorative border at the bottom of the slide features a lush green field of grass with several white daisies. Interspersed among the flowers are several colorful butterflies in shades of orange, yellow, and blue.

**A Garden where Scholars Bloom**



# Examination Format

**A Garden where Scholars Bloom**



# PSLE Mathematics

## Paper 1

(use of calculator  
is **NOT** allowed)

## Paper 2

(use of calculator  
is allowed)

**Booklet A**

**Booklet B**

Source: <http://www.seab.gov.sg>

**A Garden where Scholars Bloom**



| Paper | Booklet      | Item Type       | No. of questions | No. of marks per question | Total Marks | Duration |
|-------|--------------|-----------------|------------------|---------------------------|-------------|----------|
| 1     | A            | Multiple Choice | 10               | 1                         | 10          | 1h       |
|       |              |                 | 10               | 2                         | 20          |          |
|       | B            | Short Answer    | 10               | 2                         | 20          |          |
| 2     | Short Answer |                 | 10               | 2                         | 20          | 1 h      |
|       | Structured   |                 | 6                | 3 or 4                    | 20          |          |
| Total |              |                 | 46               | -                         | 90          | 2h       |

**A Garden where Scholars Bloom**



# PAPER 1 BOOKLET A (MCQ)

In 586 930, the digit 8 stands for \_\_\_\_\_.

- (1) 8 hundreds
- (2) 8 thousands
- (3) 8 ten thousands
- (4) 8 hundred thousands



# PAPER 1 BOOKLET B & PAPER 2 Q1-10 (Short Answer Question)

A table costs \$155. It costs three times as much as a chair. Mrs Chan bought 1 table and 4 chairs. How much did she pay altogether?

Ans: \_\_\_\_\_ cm<sup>2</sup>

**A Garden where Scholars Bloom**

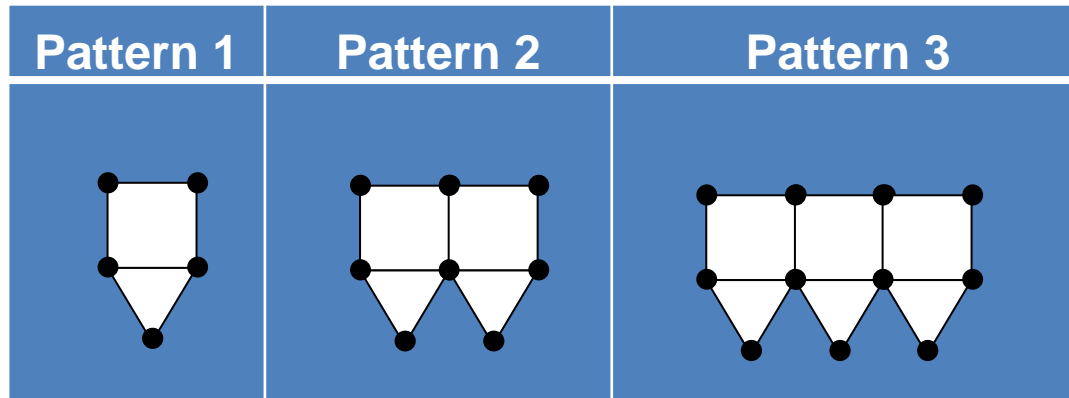




# PAPER 2 Q 11 -16

## (Structured/ Long Answer Question)

Study the series of patterns below and answer the questions that follow.



- (a) How many black dots will there be in Pattern 27?
- (b) Which pattern will have 119 black dots?

Ans: (a) \_\_\_\_\_  
(b) \_\_\_\_\_



# Target for the Various Sections (For reference only)

| Paper | Booklet | Item Type | Marks | A<br>( ≥ 75 ) |
|-------|---------|-----------|-------|---------------|
| 1     | A       | MCQ       | 10    | 28            |
|       |         |           | 20    |               |
|       | B       | SAQ       | 20    | 18            |
| 2     | SAQ     |           | 20    | 18            |
|       | LAQ     |           | 20    | 15            |
| Total |         |           | 90    | 79            |

**A Garden where Scholars Bloom**



## 60 mins

# A Garden where Scholars Bloom



# ESSENTIAL TOOLS DURING EXAMINATION

- CALCULATOR
- MATHEMATICAL SET

Approved calculator model: Casio FX 97SG X



<https://www.seab.gov.sg/home/examinations/approved-calculators>

**A Garden where Scholars Bloom**



# PSLE On-screen Marking

Students are reminded:

- To use only **2B pencil** for shading in **OAS**
- To use only **dark blue** or **black ball point pens with 0.5mm nib size**
- **Not** to highlight answers
- **Not** to use correction tape/fluid
- **Not** to write beyond the space given



**A Garden where Scholars Bloom**



# Intervention and Support

1. Supplementary class for all students
2. Additional support class for learners who need more support.

## Assessment and Feedback

- Termly assessment – gather feedback and provide early intervention
- Timed practice – train for stamina and time management

**A Garden where Scholars Bloom**



# Focus

**We want to strengthen the following basic skills in all our students:**

- Four operations of whole numbers, fractions and decimals.
- Using formulas to find area and perimeter of circles, triangles and four sided figures; volume and speed
- Conversion e.g. kilograms to grams; fractions to percentage; decimals to fractions
- Math facts e.g. multiplication table

A decorative border at the bottom of the slide features a lush green field with various flowers, including daisies and small blue and yellow blossoms. Several colorful butterflies, in shades of orange, yellow, and blue, are fluttering across the scene.

**A Garden where Scholars Bloom**





# Focus

**Students who can cope with basic questions, we want to stretch them further in the following:**

- Heuristic skills e.g. identifying a pattern
- Problem solving strategies e.g. model drawing
- Spatial Visualisation e.g. drawing of figures
- Reasoning and communication skills e.g. Journal writing

A decorative border at the bottom of the slide features a lush green field with various white daisies and small yellow flowers. Several colorful butterflies, including orange, yellow, and blue ones, are scattered across the scene, appearing to fly over the garden.

**A Garden where Scholars Bloom**





# Partnership with parents



**A Garden where Scholars Bloom**



# Things to note

- Check for NTUC – Number transfer, units and calculations

Example,

Weiming has \$456. Hafiz has \$234.

How much money do they have altogether?

$406 + 234 = 636$

Number transfer

calculation error

Answer: 636

Missing unit (\$)

**BEST**  
Mathematical Problem Solving Approach



#### Be Focused

- What am I given?  
(underline the characters/objects and values)
- Can I use diagrams or model drawings?
- What am I asked to find?
- How can I make sense of the information?

#### Explore and Plan

- What strategy should I use?
- Why do I choose this strategy?
- Have I solved a similar problem before?



#### Solve the Problem

- I will apply the strategy.
- I will write out my steps and number equations.

#### Think about the Answer

- Have I answered the question?
- Does my answer make sense?
- Have I checked for Number Transfer, Units and Calculations?



**A Garden where Scholars Bloom**



# Things to note

Train your child to check the **reasonableness** of the answers obtained.

Ann is 10 years old. Her father is four times her age. How old will her father be in 5 years time?

$$10 \times 4 = 40$$

$$40 \times 5 = 200$$

Not  
reasonable

Her father will be 200 years old in 5 years' time.

# Things to note

- Show all workings clearly
- Memorise the Multiplication Table
- Master number bonds up to 20 e.g.  $7+8 = 15$
- Write correct Mathematical statement

e.g.  $\frac{1}{4} = 25 \times$        $\frac{1}{4} = 25\% \checkmark$

- Master basic algorithms for the four operations
- Master basic conversions e.g. kg to g

$$\begin{array}{r} 57 \\ + 96 \\ \hline \\ \hline \end{array}$$

**A Garden where Scholars Bloom**



## Partnership with Parent

- ❖ Ensure that your child **completes his homework** daily.
- ❖ Encourage your child to **attempt all questions** in daily assignments . **Embrace mistakes**
- ❖ **Guide** him through by getting him to verbalise his thoughts on how he can approach the question

**A Garden where Scholars Bloom**



## Partnership with Parent

- ❖ **Praise, encourage** and **motivate**
- ❖ **Strategize** – focus on areas of weaknesses
- ❖ **Review mistakes** made. Cover solution and re-attempt the question.
- ❖ **Be punctual for exam.**



**A Garden where Scholars Bloom**





Play **mathematical games** and solve mathematical puzzles with your child.

Infuse **Math concepts in daily situations** like shopping trips, grocery buying and during meal times at food centres.

Visit Math Website

<http://www.mathplayground.com>

<http://www.splashlearn.com>

**A Garden where Scholars Bloom**





# THANK YOU



**A Garden where Scholars Bloom**