

2023 PSLE FOUNDATION MATHEMATICS

*GENERAL INFORMATION
& STRATEGIES*

Examination Format

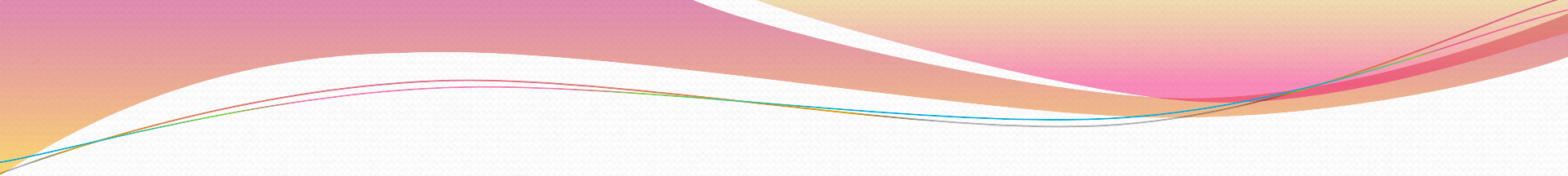
Paper	Booklet	Item Type	No. of Qns	No. of marks per qn	Weighting	Duration
1	A	MCQ	10	1	10m	1 h No Calculator
			10	2	20m	
	B	Short-answer	10	2	20m	
2	1 Booklet	Short-answer	10	2	20m	1 h With Calculator
		Structured Long-answer	6	3,4 or 5	20m	
Total			46		90m	2 h

How are we preparing the kids?

- Conduct time component testing
- Revision - Sets of practice papers
- Past PSLE papers

What your child can do to prepare for PSLE?

- Basic skills and concepts needs to be strong.
- Speed and accuracy for Paper 1 is important.
- Ensure he/she knows the various heuristics strategies and able to apply it to the various word problems.



Sharing of common errors and good practices

Incomplete Answer

-) List all the factors of 12.
-) List the common factors of 9 and 12.

Forget to indicate that the number “12” from “1 x 12” is also a factor

1, 2, 3, 4, 6, 12

Ans : (a) 1, 2, 3, 4, 6 [1]

Transferred Error (T.E)

- When answer written on Answer Blank is different from answer in working
- Student transferred the final answer to the blank wrongly.

No clear indication of final answer

27. A 2-m string is cut into 4 equal pieces. What is the length of each piece?
Express your answer in centimetres.

$$\begin{array}{r} 50 \\ \hline 4 \overline{) 200} \\ \underline{-20} \\ 000 \end{array}$$

~~$$\begin{array}{r} 200 \\ \hline 4 \end{array}$$~~

50 cm

()

Ans: 0.50 cm [2]

T.E. – Not awarded

1 mark question is marked strictly based what is shown on the answer blank. (Can't afford to be careless)

(a) List all the factors of 12.
(b) List the common factors of 9 and 12.

1×12
 2×6
 3×4
 4×3
 6×2

1×9
 3×3

Different Ans

$1, 2, 3, 4, 6, 12$

Ans : (a) 1, 2, 3, 4, 6 [1] ✓

Careless Mistake

What is the value of $\frac{2}{5} + \frac{7}{10}$?

Give your answer in mixed number.

$$\frac{2 \times 2}{5 \times 2} + \frac{7}{10} = \frac{4}{10} + \frac{7}{10}$$
$$= \frac{11}{10}$$

Not answering to the requirement of the question.

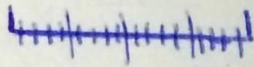
$$1\frac{1}{10}$$

Ans: _____

$$1.1$$

Did not Convert the Units

7. A 2-m string is cut into 4 equal pieces. What is the length of each piece
Express your answer in centimetres.



$$\frac{2}{4} = \frac{1}{2} = 0.5$$

Answer should be converted to centimetres.



50cm

Ans: _____

0.5

✓

Incorrect multiplication between a decimal and a whole number

(b) 6.3×8

$$\begin{array}{r} 13.5 \\ - 2.05 \\ \hline 11.55 \end{array}$$

Algorithm placed wrongly in multiplication between a 1 decimal place number and a whole number

$$\begin{array}{r} 6.3 \\ \times 8.0 \\ \hline 504 \\ \hline 504.0 \end{array}$$

Misread

- Numbers taken from the question are read wrongly.
- Answer Mark will naturally be deducted as pupil will arrive at wrong answer.
- If working is clear, other Method Marks will be awarded accordingly.

Misread

Mrs Tan baked 237 apple pies. She sold $\frac{1}{3}$ of the apple pies.
How many apples pies did she sell?

misread!

$$\underbrace{273}_{\text{M1-1}} \times \frac{1}{3} = \frac{273}{1} \times \frac{1}{3} = 91$$

Some marks are still awarded if the method and workings are clearly shown.

she sold 91 apple pies.

The table shows how the pupils in Reservoir Primary School travel to school. The number of pupils travelling by public transport is twice as many as those who travel by car.

Mode of Transport	Number of Pupils
Walk to School	371
By School Bus	434
By Public Transport	?
By Car	?
Total	1030

- (a) What fraction of the pupils go to school by school bus?
 (b) How many pupils take the public transport?

$$a) \frac{434}{1030} = \frac{217}{515}$$

$$b) 1030 - (434 + 371) = 225$$

$$225 \div 2 = 112.5 \approx 113$$

$$113 \times 2 = 226$$

$$1030 - 371 - 434 = 225$$

$$3 \text{ parts} = 225$$

$$1 \text{ part} = 225 \div 3 = 75$$

$$2 \text{ parts} = 75 \times 2 = 150$$

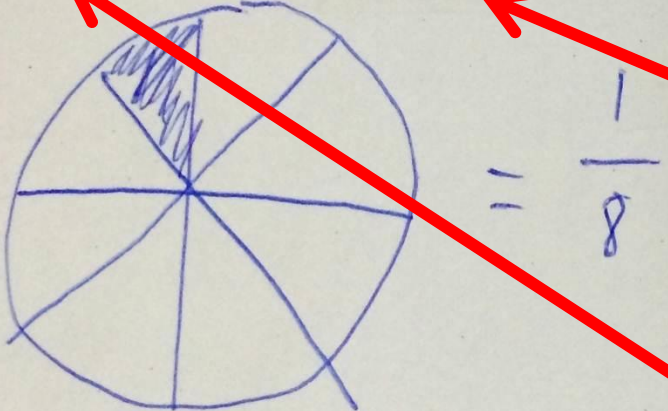
Don't be quick to assume

Drawing of models will definitely help pupils to understand the question better.

Good Practice

Underlining and Circling key info

Sam cut a cake into 4 equal pieces. He then divided one of the pieces into 2 equal slices. He ate one such slice. What fraction of the cake did Sam eat?



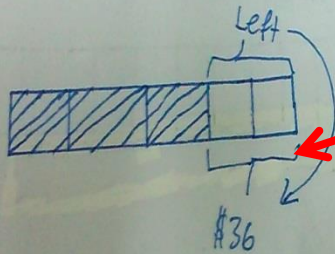
$= \frac{1}{8}$

Ans: $\frac{1}{8}$

UNDERLINE and CIRCLE key information to help comprehending the word problem.

Good Practice – Draw model

12. Andy had some money. After spending $\frac{3}{5}$ of his money, he had \$36 left.
How much money did he have at first?



Correct model

$5U = \$36$
 $1U = \$36 \div 5 = \7.20
 $3U = \$36 + \$7.20 = \underline{\underline{\$43.20}}$

$2 \text{ units} \rightarrow \36
 $1 \text{ unit} \rightarrow \$36 \div 2 = 18$
 $5 \text{ units} \rightarrow 18 \times 5 = \underline{\underline{\$90}}$

Wrong equation

Wrong model - careless

12. Andy had some money. After spending $\frac{3}{5}$ of his money, he had \$36 left.
How much money did he have at first?

left \$36 spent

$3u \rightarrow \$36$
 $1u \rightarrow \$36 \div 3$
 $= \$12$
 $6u \rightarrow \$12 \times 6$

$2u \rightarrow \$36$

5 units

6 units drawn

Helping your child in this
journey...

Check your child's daily homework
and ensure that these errors are
not made in their work

Help your child with multiplication (times table)

$$1 \times 7 = 7$$

$$2 \times 7 = 14$$

$$3 \times 7 = 21$$

$$4 \times 7 = 28$$

$$5 \times 7 = 35$$

$$6 \times 7 = 42$$

$$7 \times 7 = 49$$

$$8 \times 7 = 56$$

$$9 \times 7 = 63$$

$$10 \times 7 = 70$$

$$1 \times 3 = 3$$

$$2 \times 3 = 6$$

$$3 \times 3 = 9$$

$$4 \times 3 = 12$$

$$5 \times 3 = 15$$

$$6 \times 3 = 18$$

$$7 \times 3 = 21$$

$$8 \times 3 = 24$$

$$9 \times 3 = 27$$

$$10 \times 3 = 30$$

Helping your child in this journey...

- Your child must NOT be over-dependent on the use of the calculator.
- Pupils need to be fast and accurate in solving Paper 1 questions. (Duration of Paper 1 is 1h.)
- Mental Sums Practices & Strategies are important
- Your child must be able to sit down and focus for at least 2h . (Duration of Paper 2 is 1h .)



Thank You