2023 PSLE MATHEMATICS

GENERAL INFORMATION
& STRATEGIES

Examination Format
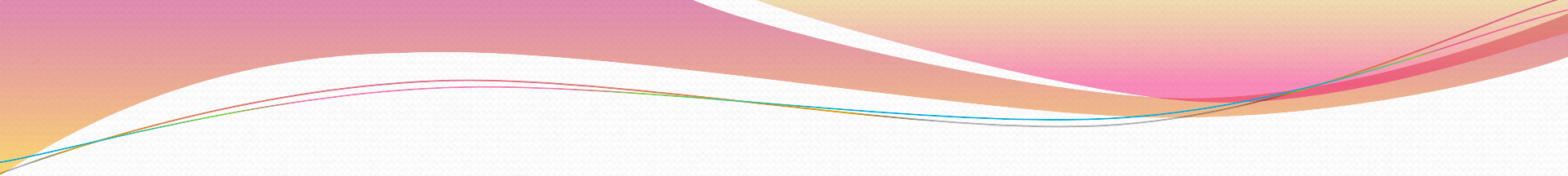
Paper	Booklet	Item Type	No. of Qns	No. of marks per qn	Weighting	Duration
1	A	MCQ	10	1	10%	1 h No Calculator
			5	2	10%	
	B	Short-answer	5	1	5%	
			10	2	20%	
2	1 Booklet	Short-answer	5	2	10%	1 h 30 min With Calculator
		Structured Long-answer	12	3,4 or 5	45%	
Total			47		100%	2 h 30 min

How are we preparing the kids?

- Conduct time component testing

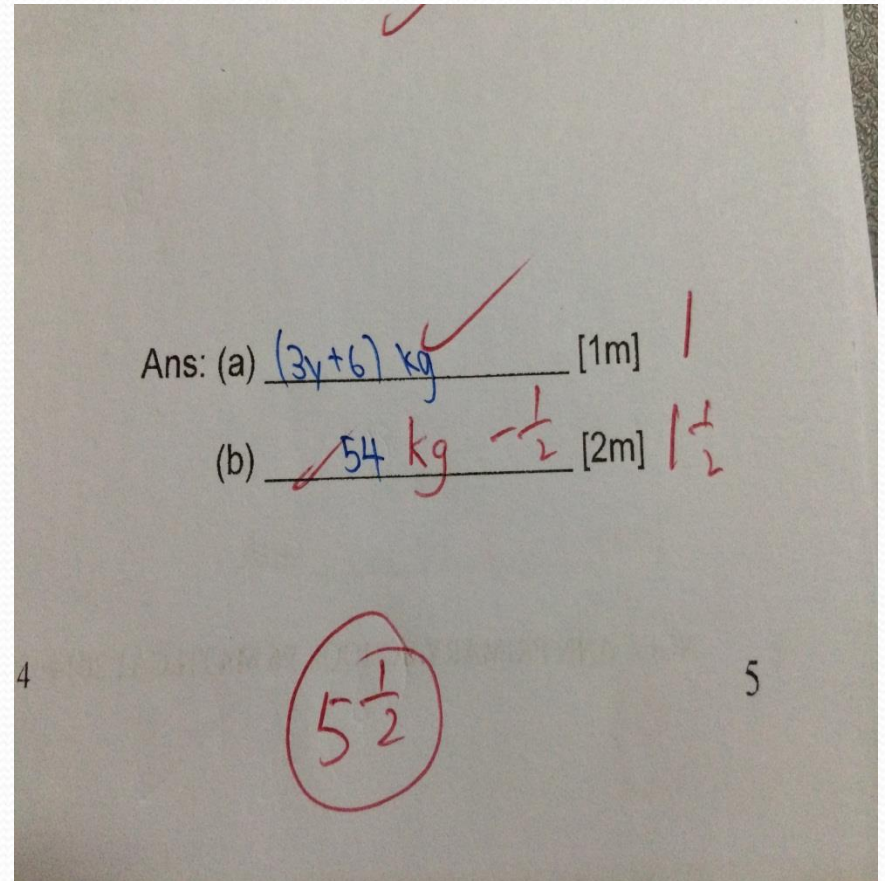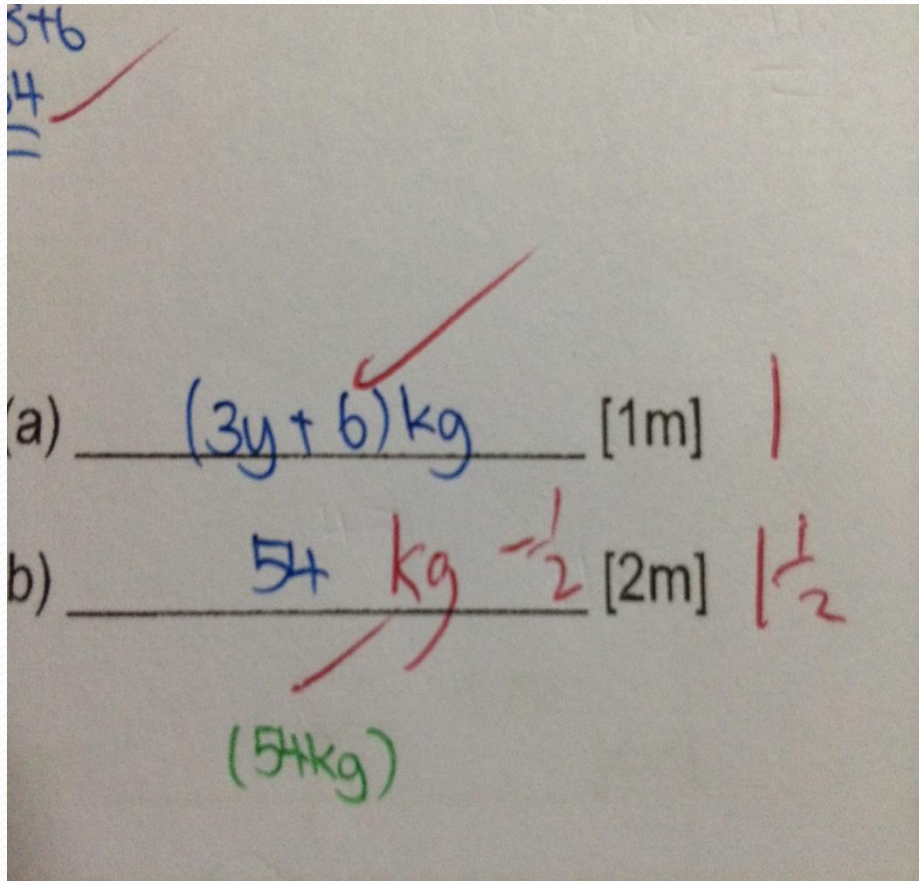- Revision - Sets of practice papers

- 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

Omission of Units

Transferred Error (T.E)

- When answer written on Answer Blank is different from answer in working

- Clear evidence must be presented.

- Student transferred the final answer to the blank wrongly.

T.E. – Not awarded

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

Different Ans

T.E. – Not awarded

The pupil did not show clearly that it is a transferred error.

No clear indication of final answer

Did not transfer answer to blank but (Ans) clearly written in working
(Full marks awarded because there is a clear evidence of transferred error)

38. Keith bought 2 notebooks and 3 highlighters.
With the same amount of money, he could also buy 7 notebooks.
Each notebook cost $0.90. How much did each highlighter cost?

$0.90 × 7 = $6.30
$0.90 × 2 = $1.80
$6.30 − $1.80 = $4.50
$4.50 ÷ 3 = $1.50 (Ans) —————— **Good practice**

Answer: _____ (3m)

Misread

- Numbers taken from the question are read wrongly.
- If working is clear, other Method Marks will be awarded accordingly.

Misread

Labels missing in the drawing of diagram
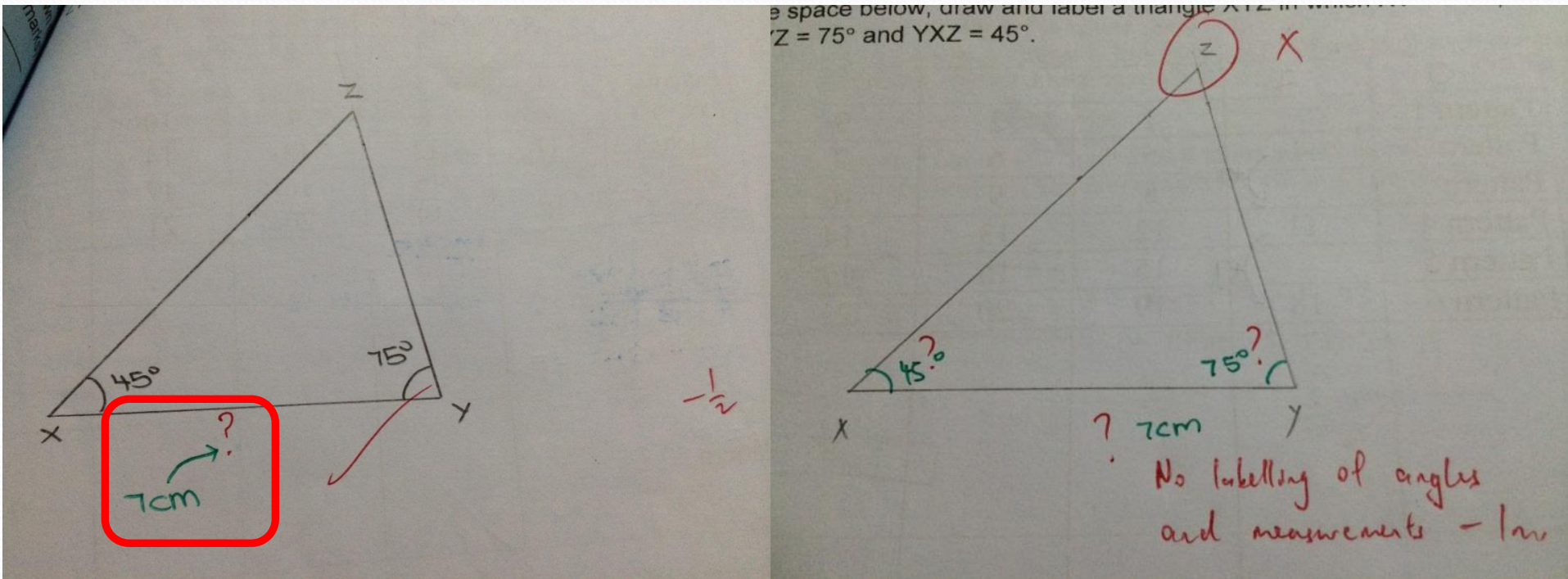
Using blunt pencil to draw diagram
Untidy work (Inaccurate drawing)
No erasers

Common Errors (Question Types) Order of Operations

- Too reliant on the word BODMAS and carry out the operations following strictly to the order of the letter.
- Correct steps should be:-
  - ❖ When there are brackets, carry out the operations in the brackets first.
  - ❖ Working from left to right, carry out multiplication and division before addition and subtraction.

Order of Operations
Good Workings

4 2 3 1

17.   Evaluate 24 + 70 ÷ 7 x (10 − 5).

$24 + 70 \div 7 \times (10 - 5)$

$= 24 + 70 \div 7 \times 5$

$= 24 + 10 \times 5$

$= 24 + 50$

$= 74$

④ ② ③ ①

uate 24 + 70 ÷ 7 x (10 − 5).

$24 + 70 \div 7 \times (10 - 5)$

$= 24 + 70 \div 7 \times 5$

$= 24 + 10 \times 5$

$= 24 + 50$

$= 74$

Good Practices
Clearly Labelled Timeline
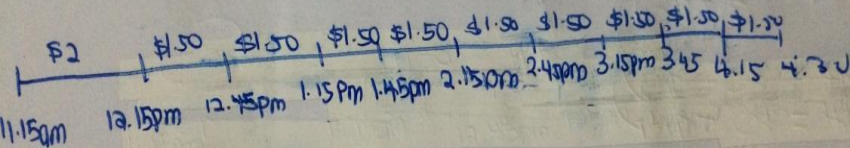
Good Practices
Using 2 Methods (1 for check)

Good Practices
Clear Explanations/Workings

C : E | T

B   5 : 7 | 12

A   4 : 9 | 13

12u → 1608
1u → 134   } ÷12
Chi books before → $134 \times 5 = 670$
Chi books now → $670 - 166 = \underline{504}$

(Now) 4u → 504
(Now) 1u → 126   } ÷4
(Now) Eng → $126 \times 9 = 1134$
Before Eng → $134 \times 7 = 938$
Ordered → $1134 - 938 = \underline{\underline{196}}$

$6048 \div 3 = 2016$ (amount all 3 boys had after)
$2016 \rightarrow 3$ times of Kenny's amount before)
$2016 \div 3 = 672$ (Kenny at first)

$2016 - 672 = 1344$ (what Daniel gave to Kenny)
$2016 + 1344 = 3360$ (6 times of Daniel's amount before)
$3360 \div 6 = 560$ (Daniel at first)
$3360 - 560 = 2800$ (what Harry gave to Daniel)
$2016 + 2800 = 4816$ (Harry at first)

Good! Very clear explanation!

Missing Essential Workings

Steve and Paul had some marbles each.
If Steve gave Paul 28 marbles, they would have the same amount of marbles. If Paul gave Steve 35 marbles,
Paul would have $\frac{1}{3}$ of what Steve had.
How many marbles must Paul give Steve so that he would have half as many marbles as Steve?

2u = 35 + 28 + 28 + 35
    = 126
1u = 63
63 + 35 + 28 + 28 = 154 (S)
63 + 35 = 98 (P)
154 − 98 = 56
56 ÷ 4 = 14 (Ans)

S		35	28	28
P		35		

Why divide by 4?
Need to show the steps.

43. A delivery company collects $15 for each hamper delivered on time and $4 less for each hamper delivered late. In February, the company collected $14 204. For every 5 hampers delivered, 3 were delivered on time and 2 were delivered late. How much more money could the company have collected if all the hampers were delivered on time in February?
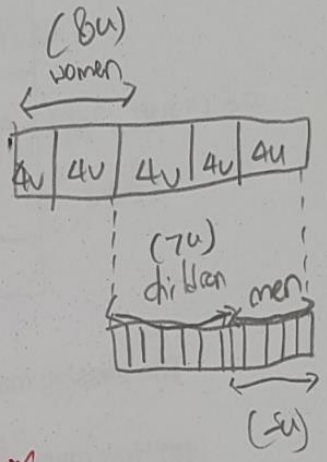
Error: Did not show clear workings

$15 x 3 = $45

$11 x 2 = $22

$45 + $22 = $67

$14 204 ÷ $67 = 212 (sets)

2 x $4 = $8

212 x $8

= $1696

$15 \times 5 = 75$

15×5

$75 - 8 = 67$

did not show how you get this.

37. $\frac{2}{5}$ of the people in the Science Centre are women, $\frac{7}{12}$ of the remainder are children and the rest are men. If there are 240 more women than men, how many people are there in the Science Centre?

women

| 4u | 4u | 4u | 4u | 4u |

2u

children   men
(7u)   (5u)

(8u) women

| 4u | 4u | 4u | 4u | 4u |

(7u) children   men

(5u)
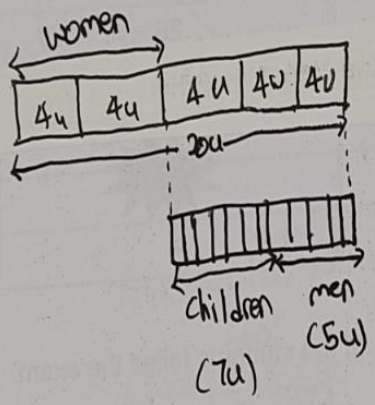
8u−5u = 4u   calculation error

4u = 240
1u = 60
20u = 1200 (Ans)

Ans: 1200   [3m]

6

2

Method marks awarded although the answer is wrong

No Workings (Difficult to check)
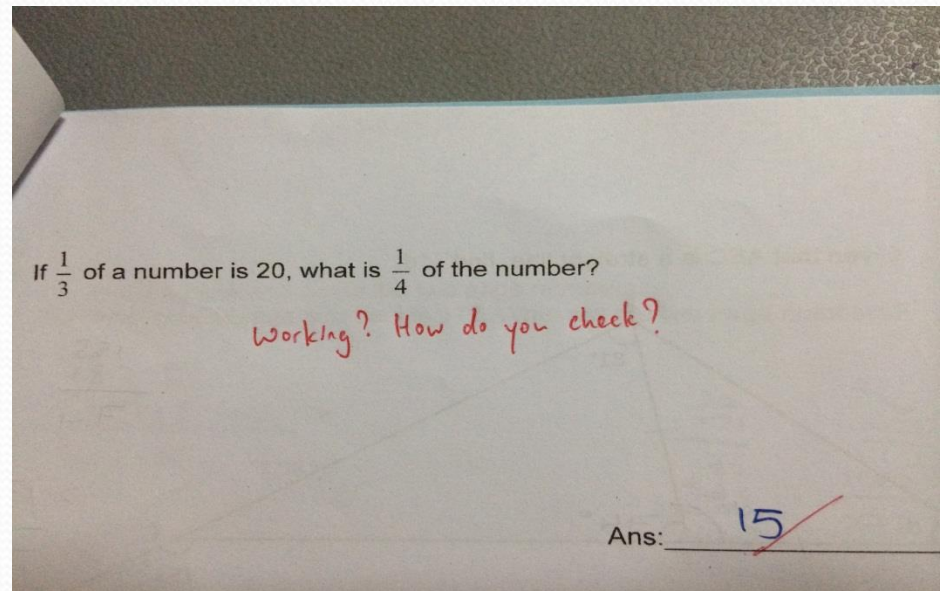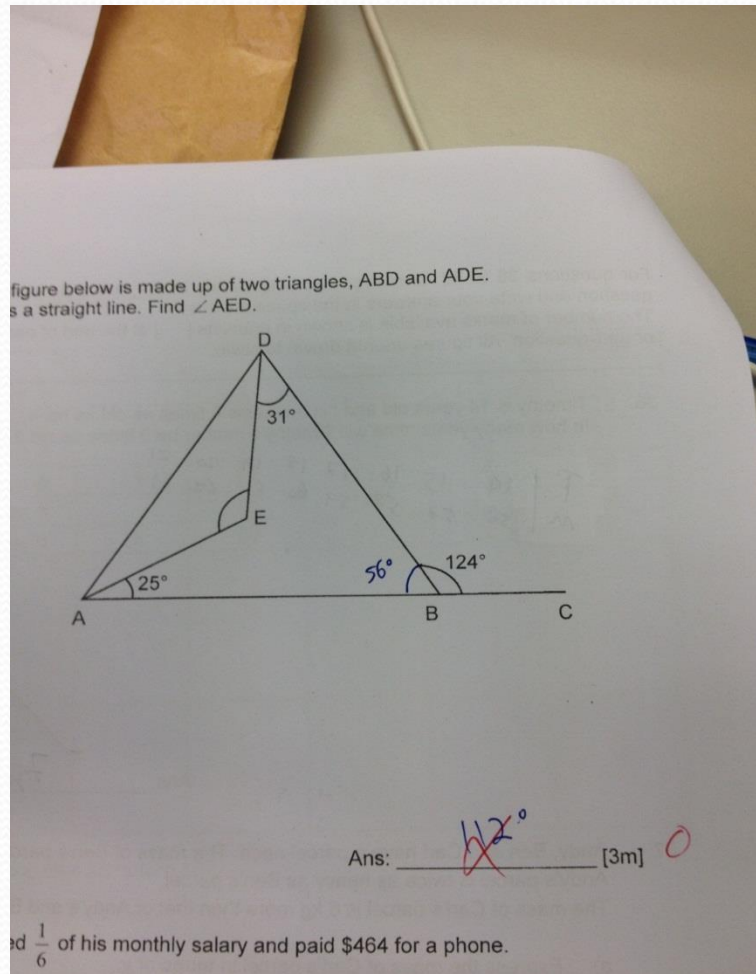

- No working done or models drawn. All calculations are done mentally.
- Clear indication that checking is not done. (When student returns to check on this question, there are nothing for him/her to check)

The figure below is made up of two triangles, ABD and ADE. ... is a straight line. Find $\angle$ AED.

31°

D

E

25°

56°   124°

A   B   C

Ans: __112°__ [3m] 0

...ed $\frac{1}{6}$ of his monthly salary and paid \$464 for a phone.

If $\frac{1}{3}$ of a number is 20, what is $\frac{1}{4}$ of the number?

Working? How do you check?

Ans: __15__

Helping your child in this journey...

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

Helping your child in this journey…

- Your child must <u>NOT</u> 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 30min. (Duration of Paper 2 is 1h 30min.)

Thank You