

THE PRIME MID TERM II EXAMINATIONS 2023

P.4 MATHEMATICS MARKING GUIDE

SECTION A(40 MARKS)

NO	SOLUTION	MARKS	COMMENT	NO	SOLUTION	MARKS	COMMENT																										
1	$21 \div 3 = 7$	M ₁ A ₁	Follow through	2	$\frac{7}{11} + \frac{3}{11} = \frac{7+3}{11}$ $\frac{10}{11}$	M ₁	Follow through																										
3	MUP = (v, w, x, y, z, a, b, e, f)	B ₂	Follow through	4	$17 = 10 + 7$ XVII	A ₁ B ₂	Follow through																										
5	5, 12, 19, 26, 33, 40 	B ₂	Follow through	6	<table border="1"> <tr> <td>TH</td><td>H</td><td>T</td><td>O</td></tr> <tr> <td>8</td><td>3</td><td>2</td><td>7</td></tr> </table> $ \begin{array}{r} 8300 \\ + 000 \\ \hline 8300 \end{array} $ $8327 \approx 8300$	TH	H	T	O	8	3	2	7	B ₂	Follow through																		
TH	H	T	O																														
8	3	2	7																														
7	Total weight. <table> <tr> <td>Kg</td> <td>gm</td> </tr> <tr> <td>38</td> <td>640</td> </tr> <tr> <td colspan="2"><u>+25 208</u></td> </tr> <tr> <td>63</td> <td>848</td> </tr> </table>	Kg	gm	38	640	<u>+25 208</u>		63	848	B ₂	Follow through	8	<table border="1"> <tr> <td>2</td><td>12</td><td>16</td></tr> <tr> <td>2</td><td>6</td><td>8</td></tr> <tr> <td>2</td><td>3</td><td>4</td></tr> <tr> <td>2</td><td>3</td><td>2</td></tr> <tr> <td>2</td><td>3</td><td>1</td></tr> <tr> <td></td><td>1</td><td>1</td></tr> </table> Lcm of 12 and 16 = $(2 \times 2) \times (2 \times 2) \times 3$ $4 \times 4 \times 3$ 16×3 48	2	12	16	2	6	8	2	3	4	2	3	2	2	3	1		1	1	B ₂	Follow through
Kg	gm																																
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2	3	4																															
2	3	2																															
2	3	1																															
	1	1																															
9	☉ represents - 8 cups $\frac{32}{4} = 4$ cups = 32 cups	M ₁ A ₁	Follow through	10	One thousand eight hundred thirty.	M ₁ A ₁	Follow through																										
11	<div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block;"></div> - 5 = 14 <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block;"></div> = 14 + 5 <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block;"></div> = 19	M ₁ A ₁	Follow through	12	Perimeter = $2(L + W)$ $= 2(19 + 14)dm$ $= 2(33)$ $= 66dm.$	M ₁ A ₁	Follow through																										
13	6 pencils - sh.3600 $\frac{600}{6} = 100$ 1 pencil - <u>3600</u> 6 1pencil = sh.600	M ₁ A ₁	Follow through	14	$13 - 9 + 4$ $4 + 4$ <u>8</u>	M ₁ A ₁	Follow through																										
15	6×2 = <u>12 half litres cups.</u>	M ₁ A ₁	Follow through	16	It is a half past 10 o'clock.	M ₁ A ₁	Follow through																										

17	7 - thousands(1000) Value = digit x place v = 7 x 1000 = 7000	B ₂	Follow through	18	Selling price = cost price - profit = sh.64000+sh.31000 = sh. 95000	M ₁ A ₁	Follow through h																				
19	90°	M ₁ A ₁	Follow through	20	$\frac{7}{3} = \frac{3}{3} + \frac{3}{3} + \frac{1}{3}$ = 1 + 1 + $\frac{1}{3}$ = 2 $\frac{1}{3}$	B ₂	Follow through h																				
SECTION B (60 marks)																											
21	(a) 10 + 7 + 13 = 17 + 13 = 30 458 (b) 1374 31 = 458 (c) 1 pupil - 6 books 126 pupils - (126x6) 126 pupils-756 books. The class manager distributed 756 books.	B ₁ B ₁ B ₁ B ₁ 04	Follow through	22	(a) (i) Edges - 12 (ii) Faces - 6 (iii) Vertices - 8 (b) A = L x W = 10cm x 9cm = 90cm ²	B ₁ B ₁ M ₁ A ₁ B ₁ 05	Follow through																				
23	(a) <table border="1"> <tr> <th>H</th> <th>T</th> <th>O</th> </tr> <tr> <td>425</td> <td>245</td> <td>542</td> </tr> <tr> <td>452</td> <td>254</td> <td>524</td> </tr> </table> (b) 542 (c) 245	H	T	O	425	245	542	452	254	524	M ₁ A ₁ M ₁ A ₁ M ₁ A ₁ 06	Follow through	24	(a) n(M ∩ N) (M ∩ N) = { 4, 16 } n(M ∩ N) = 2 (b) n(M ∪ N) (M ∪ N) = { 8, 12, 20, 24, 28, 4 16, 36, 16, 9, 25 } n(M ∪ N) = 11	B ₂ B ₂ B ₁ 05	Follow through											
H	T	O																									
425	245	542																									
452	254	524																									
25	(a) $\frac{2}{5}$ - Two - fifths. (b) $\frac{1}{9}, \frac{2}{9}, \frac{4}{9}, \frac{5}{9}$ (c) 6 x 2 = 12 7 x 2 14 6 x 3 = 18 7 x 3 21	M ₁ A ₁ M ₁ A ₁ B ₁ 05	Follow through	26	(a) (8 x 1000) + (3 x 100) + (9 x 10) + (2 x 1) (b) <table border="1"> <tr> <td>Tth</td> <td>Th</td> <td>H</td> <td>T</td> <td>O</td> </tr> <tr> <td>8</td> <td>3</td> <td>0</td> <td>9</td> <td>2</td> </tr> </table> <table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> <td>Hundreds (100)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>(3 x 1000) 3000</td> </tr> </table> Quotient = $\frac{3000}{100}$ = 30	Tth	Th	H	T	O	8	3	0	9	2					Hundreds (100)					(3 x 1000) 3000		
Tth	Th	H	T	O																							
8	3	0	9	2																							
				Hundreds (100)																							
				(3 x 1000) 3000																							

27

(a)

Item	Quantity	Unity cost	Amount
Books	7 books	sh. 1500 per book	Sh. 10500
Pen	6 pens	Sh. 600 each pen	Sh. 3600
Sweets	9	Sh.200 per sweet	Sh. 1800
Total			Sh. 15900

books

Unitcost x quantity
sh.(1500 x 7)
sh. 10500

Pens

Quantity = $\frac{\text{Amount}}{\text{unit cost}}$
 $\frac{\text{sh. 3600}}{600}$
6 pens

sweets

$\frac{1800}{200}$
9
sh. 200

Total Amount

sh. 10500
sh. 3600
+ sh. 1800
sh. 15900
Total amount sh. 15900

(b) sh. $\frac{19}{20,000}$ sh. - 15 900sh. 4 100Joseph remained with sh.4100.

28

(a) $\frac{49}{500}$
- 253
247

(b) Total number of pupils - boys + girls
- 104 + 210
- 314 pupils.

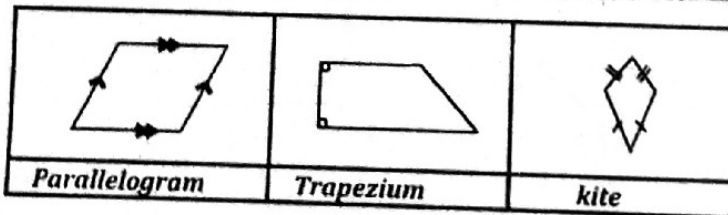
(c) No of pupils present on Monday
Total no of pupils - pupils absent
314 - 96
= 218 pupils were present.

29

(a) 1 week = 7 days
4 weeks - (4x7) days
4 weeks = 28 days.

(b) weeks days
3 5
+ 1 1
4 6

30



31

(a) 24 hours < 2 days

(b) 7 weeks > 36 days

(c) 750gm = $\frac{3}{4}$ kg

(d) 500cm > 2m

B₁
M₁Follow
throughA₁B₁B₁05

32

(a) Primary one.

(b) 14 balls - 10 balls
4 balls
4 more balls.

(c) 14 + 7 + 6 + 12
39 balls.

M₁A₁B₁M₁A₁05Follow
through