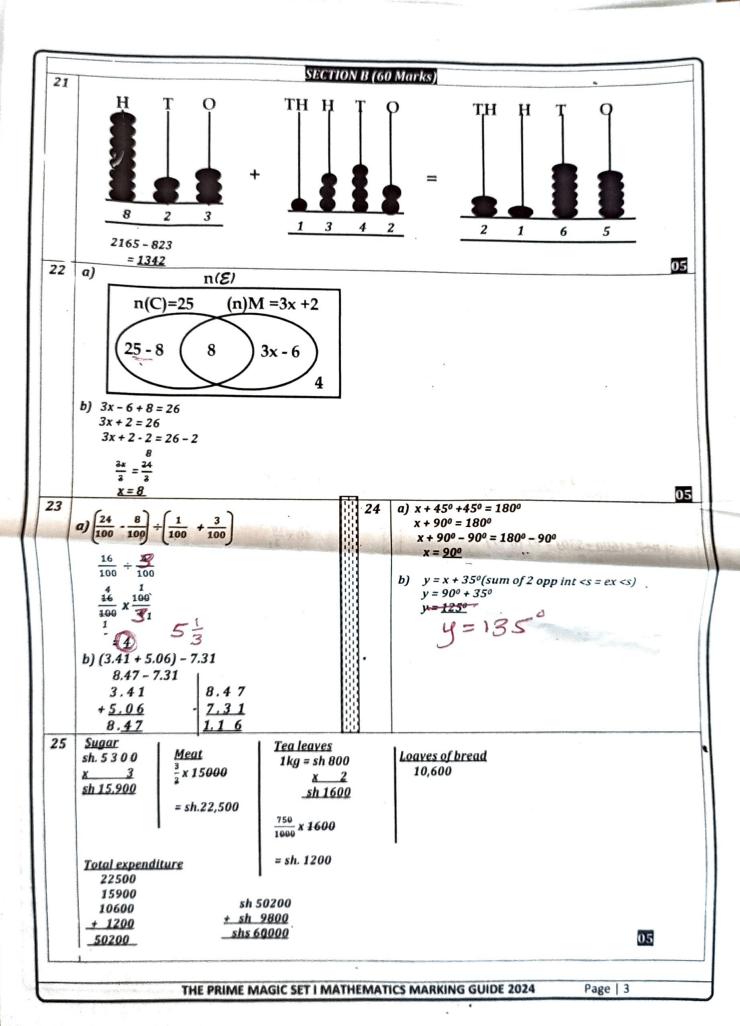
## THE PRIME MAGIC SET I EXAMINATIONS 2024

P.7 MATHEMATICS MARKING GUIDE SECTION A(40 MARKS) NO SOLUTION MA RKS COMMENT NO | SOLUTION COMMEN MAR 1 KS -2 5 4 2  $B_2$ Follow Follow  $B_2$ through through XL IX 3 (6x + x) + (4m - 3m)XLIX M<sub>1</sub> Follow 7x+m $(N \cup M)^{\prime}$  $B_2$ Follow through 5 through 13.846  $M_1$ Follow through  $A_1$ 14 6  $B_1$ **Follow** through  $B_1$ D MI Follow **Follow** 1000g = 1kg7  $\left(\frac{\frac{5}{20}}{4}\right)$  pictures through through  $1g = \left(\frac{1}{1000}\right) kg$ Aı 5 piçtures  $1750g = \left(\frac{1}{1000} \times 1750\right) kg$ **安安安安**  $= \left(\frac{175}{100}\right) kg$ Follow = 1.75 kg10 Mı Follow 84, 56, 35, 20, 10, 4 1 2c - 1 = 4 (finite 7) 9 through 2c - 1 + 1 = 4 + 1 (finite 7) Aı 2c = 5 (finite 7) 2c = 5 + 7 (finite 7) A1 Page | 1

THE PRIME MAGIC SET I MATHEMATICS MARKING GUIDE 2024

c = 6

11	$7x-30^{\circ} + 4x - 10^{\circ} = 180^{\circ}$	M <sub>1</sub>	Follow		12	$S = D \div T$	M <sub>1</sub>	Follow
	$7x + 4x - 30^{\circ} - 10^{\circ} = 180^{\circ}$		through	18		$= 170 km \div \frac{17h}{4}$		through
	$11x - 40^{\circ} = 180^{\circ}$	A <sub>1</sub>		18		<b>T</b>		January
	$11x = 180^{\circ} + 40^{\circ}$	***		-18		10	A <sub>1</sub>	
	$\frac{11x}{11} = \frac{220}{11}$			18		$=\frac{170}{km} \times \frac{4}{17h}$		
				18		2711		
	$x = 20^{\circ}$		1 0 2	-18		= 40km/h.		
13	the state of the s	B <sub>2</sub>	Follow		14	Commence of the second	M <sub>1</sub>	Follow
1	B No R	Will was a	through		31.5	2 6 8		through
-	A CONTRACTOR OF THE CONTRACTOR	-	161			3 4	A <sub>1</sub>	
	2 11 1					1 1 1 1		
	2 5 1				*	2 girls.		
						- gis.		
	2 2 0							
			, A			Maria Ma Maria Maria Ma	2 - 4	A. E
Ì	1 1		10					100 CON 1 1
.	11 = 1011 two-							
15	$SI = P \times R \times T$	M <sub>1</sub>	Follow	10	16		B <sub>1</sub>	Follow
246	$= sh360,000 - x\frac{15}{100} \times 4$		through		,	T = (2, -3)		through
100	= 216,000	A <sub>1</sub>					B <sub>1</sub>	
	- 210,000						D1	Yenga mina
.	-1 2200			188				
17	/ 30	M <sub>1</sub>	Follow	10	18	$2k-6+6 \le -10+6$	M <sub>1</sub>	Follow
	17 20 hs $\int_{\frac{1}{2}}^{\frac{30}{2}} x \frac{60}{60}$	5	through	48		2k ≤ ·4		through
	/ / -	4.		18		$\frac{2k}{k} > \frac{4^2}{k}$		
	+2 30 hs   30min	A <sub>1</sub>		18		$\overline{2} \leq \overline{2}$		
	19 50hours/			18				
				18		k ≤ · 2	A <sub>1</sub>	
·-				133				
19		M <sub>1</sub>	Follow		20		M <sub>1</sub>	Follow
1	9000		through		nglastif.	Number of poles		through
	$5kg = sh. \frac{27000}{3} \times 5$	A <sub>1</sub>			1000	= Distance ÷ interval		
1						8 40m	A <sub>1</sub>	
1	= sh. 45000.					$-\frac{1}{5m}$   1km = 1000m	-	
	The state of the s					$0.04km = \frac{100}{100} \times 100$	0	
			in the grad that	18		= <u>8 poles</u> = 40m		
		2		畠		the factor of the second		
	6						3.	
		*						
		3.76						
	*	4						1
b	* ,							
		W	The same of the sa		E. Janes	The second secon	a production	
Miles d				谱				
	- All Comments			1,1	10000	The state of the s	1 534 1130	



26	(a) Time from Soroti to Mbale	777			
.20	0 50 1	27	*	$M_1$	Follow
	- 1:20 Distunce covered		a) $r = \frac{28}{2}$	_	through
			2	$A_1$	- July
	$= \frac{2:30}{h}  \times \frac{5h}{2}$			121	,
	$2\frac{1}{2}$ hours		r = 14cm	M <sub>1</sub>	
	= 135km	90	$\pi r^2 h = volume$	MI	
	. CSSS	333	· / /		
- 1	Distance from Mbale to Jinja		$\frac{22}{7} \times \frac{2}{14} \times 14 \times h = \left(\frac{308}{10} \times 1000\right) \text{ cm}^3$	$A_1$	
1	OF I		7 X11X14 X II = 10 X 1000CIII		
1	$=\frac{85km}{hs} \times 2hs$				1
	= 170km		$22 \times 2 \times 14 \times h = 30800 \text{cm}^3$	05	
	Total Dist		3 400 -		
3 1	Average speed = Total Distance covered		$\frac{616cm^2}{616cm^2} = \frac{\frac{400}{30800cm^2}}{\frac{616cm}{2}}$		
	Total time taken		616cm <sup>2</sup> 616cm 2		1
	170km+135km				-
			<u>h = 50cm</u>		1
	$2\frac{1}{2}h+\frac{1}{2}h+2h$	33	77		
8	61		$b) \frac{3}{4} \times \frac{308}{10}$		
- 1	_305km		1 10		
	= <del>5h</del>	1931	[231]_		
			$= \left(\frac{231}{10}\right) L$		
*	= <u>61km/</u> h 05				
1		1931	= <u>23.1L</u>	100	
28	a) Average - Sum of data	29	The second of th		
	a) Average = $\frac{Sum \ of \ data}{Number \ of \ data}$	29	a) Total ratio	$M_1$	Follow
			2+3+5	41 .	through
	(80x2) + (60xn) + 90 + (70x4) = 71		10	A <sub>1</sub>	
	$\frac{100x27 \cdot (00x117 + 30 + 170x4)}{2 + n + 1 + 4} = 71$		5 - 3 = 2		
			Number of people in Kamu		-
	$\frac{160 + 60n + 90 + 280}{2} = 71$	Sales of the	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	n +7		$40 \div \frac{2}{10}$	M <sub>1</sub>	
			20	141	
1	$n+7 \times (60n+530) = 71 (n+7)$		$\frac{20}{40} \times \frac{10}{21}$		
-	n+7		±1	A <sub>1</sub>	
	60n + 530 = 71n + 497		200people.	M <sub>1</sub>	
	71 - 60n = 530 - 497		=vvpcopic.	188	
	3		b) 3-2=1	$A_1$	- 4
	$\frac{11n}{2} = \frac{33}{2}$		b) J-2-1		2 2
	11 11 <sub>1</sub>		1 20	05	2
	1		$= \frac{1}{10} x \frac{20}{200}$		
	<u>n = 3</u>		14		
			_20	7	
	b) $4+3=7$ pupils.		= <u>20 more women</u>		7
		出			10 19
30	a) Area = B x H	<u> </u>			2
00	$= 28m \times 17m$	t in the		M <sub>1</sub>	Follow
		17		-	through
	= <u>476m²</u>	7		A <sub>1</sub>	3.1
	b) $B \times H = B \times H$	1 5		**1	
4	$14m \times m = 28m \times 17m$	<b>D</b> '	프로그램 60 등은 이 보이다. 그	14	
	X .		7	M <sub>1</sub>	
	1 2 14m x m 28m x 17m	4			1
8				$A_1$	
	14m 14m			$M_1$	- W
		9' 6			1
-0	m = 2 x 17m	1		A <sub>1</sub>	
	EF = <u>34m</u>	П			
	77.	5		05	
				nation 1	1 1 1
		-		10 TO 10	
		-			
	14	6	6		

1

- 1								M <sub>1</sub>	Follow through
	book	pen	set	Total				A <sub>1</sub>	
	<u>x</u>	x - 700	$\frac{4}{3}X$	14300				M <sub>1</sub>	,
	x + x - 7	$00 + \frac{4}{3}x = 143$	300	1	2books	3sets			
	$2x + \frac{4x}{3}$	= 14300 + 70	00	. 2	2 x 4500	$\frac{4}{3} \times 4500 \times$	3	$A_1$ $M_1$	
					sh 9000	sh 18000	6		
	$3x + \frac{2x}{1}$	$\left(\frac{x}{1}\right) + \left(\frac{4x \times 3}{3}\right) = 0$	= (15000 x :	3)	Total = sh18	8000 +sh9000	3	$A_1$	1
	-	+ 4x = 45000			= <u>sh 2</u>	<u> 7000</u>		05	
	-	<del>10</del> = -	000	8					
32		x = 4500						M <sub>1</sub>	Follow
-	Sketch (	diagram.		.,					through
	<b>^</b>			. <i>N</i> ·				$A_1$	9 8 8
	<u>c</u>	9			-	D	*	$M_1$	
				2	250	<u>Distance in</u> A to B	n cm B to C	A <sub>1</sub>	
	4		450km					M <sub>1</sub>	
	2500					9 450 50	250 50	A <sub>1</sub>	
	В					9cm	5cm		
	•							05	_
Coppe land		400	PERCHASING	Commence of the last	N.	September 1			ela-Article lines
					1				
	Street, and the street, and th			\(\frac{7}{2}\)		\			
55					A	<b>)</b>			
553		c		45	A				
		c		45	A	)			
		C 5cm	aem	45	A	)			
		Scm 5cm	aun	45	A	)——			
		Scm	aem	45	A				
		5cm	acm	45	A	)			
		c 5cm	aem	45	A	)——			
	a) shortest	8	acm	45	A	)			
E	o) shortest 6.5c 1cm =	distance	acm	45	A				
E	6.5c 1cm =	distance m 50km	aem	45	A				
Ł	6.5c 1cm = <b>6.5kr</b>	distance	aun	45	A				