\$	SOLUTION	PRE-P	P.7 PRE-PLE MATHS MARKING GUIDE, 2024 MRKS COMMENTS S/N SOLUTION	SNG	SOLUTION	MRKS	COMMENTS
-	8.412	X.	For correct division	20	1ke = 1000ems		
	# <u>7</u> 4	<u> </u>	For 12		$2\frac{1}{2}$ kg = $2\frac{1}{2}$ x 1000gms = $\frac{1}{2}$ x $\frac{1000}{2}$ gms		
2.	$(9 \times 10^{2}) + (5 \times 10^{0}) + (4 \times 10^{-2})$ $9 \times 100 + 5 \times 1 + 4 \times 1$				2; = 2500gms		В
	900 + 5 + 4	В	For obtaining 900 + 5 + 0.04		Number of packets = 10 packets		В
	900 + 5 + 0.04 Nine hundred five and four hundredths	В	For C.A.O	9.			
33	2mn — 7pq — mn + 6pq	M,	For collection of like		y = 900 - 750 y = 900 - 750		
	- 1	>	For mn — pq		y= IS		В
4.	SEII I						C
	22 22 22 23 24 24 24 24 24 24 24 24 24 24 24 24 24	M ₁	For correct method	10.	(a) 4Y-axis P(-3, 2) 3		
	Length = 2×2 cm = 4 cm	A ₁	For Length 4cm		<	-5-	X-axis
S	Total ratio = $3 + 1 = 4$ Let the total be n Girls $\frac{1}{4}$ of $n = 40$	M,	For forming equation		Z*		P ₁ For plotting p (~3, 2)
	$4x x n = 40 \times 4$				-4		
	n = 160 pupils	A ₁	For 160 pupils		(b) N = (-2, 4)	_	B ₁ For N (
6.	Buying price = Shs. 20,000 + 5,000 = Shs. 25,000 %age Loss = Loss x 100% B. Price	B ₁	For Shs. 25,000	=	Tomorrow is Thursday = 3 3+48=—(Finite 7) 51=—(finite 7) 51+7=7 rcm 2 2 stands for Tuesday		M ₁ For correct method A ₁ For Tuesday
	- 20%	В	For 20%	12.	Let the fraction be a $a = 0.4545$ (x100) $a = 45.45$ (x100)		M. For correct method
7.		В,	For shading Z				
1		_				_	

S/N	SOLUTION	MRKS	COMMENTS	S/N SOLUTION	MRKS	COMMENTS
13.	Quotient = 108^{27} = 27	В	For quotient 27	20. $ \begin{array}{ll} p_n + n + \sqrt{180^{\circ}} & 140^{\circ} \end{pmatrix} = 180^{\circ} \\ 2n = 180^{\circ} & 40^{\circ} \\ 2n = 180^{\circ} & 40^{\circ} \end{array} $	Ä	For correct use of angle
	Tallies of 27 = # # # # # #	Bi	For ## ## ## ## 1	n= 70	2	For n = 70°
14.	Volume = $\frac{1}{2} \times b \times h \times L$ = $\frac{1}{2} \times \frac{9 \text{ cm}}{2} \times \frac{90 \text{ cm}}{2} \times 90$	M,	For correct	n(R)	, 5	For 10
	= 1 x 'Hcm x 9cm x 20cm		multiplication	$\left(14 \left(30 - 14\right)3x - 16\right)$	В	For 3X — 16
	= 7 x 9cm ₃ x 20cm = 1260cm ³	A,	For 1260cm ³			
15.	$ 8 \times 4 = 2^{t+2} $ $ 2^{5} \times 2^{5} $	M.	For correct use of laws of indices	(b) $6+14+3\mathcal{X}-16+16=0$ $20+3\mathcal{X}=0$ $3\mathcal{X}=50-20$	N.	For forming equation
	5 = 1 + 2 5 = 2 = 1	À	For $t=3$	0 44.00 8 4.75.00	<u>}</u>	For $\mathcal{X} = 10$
16.	Sum = 1081 + 902 - 1983	В	For sum = 1983	bility =		
	o ⊢			700 -	Z	For correct method
	1 9 8 3			= 28	Aı	For 28
	2 0 0 0	В	For 2000		06	20
17.	Daughter Father $12 + 3$ $50 + 3$ $2(12 + 3)$ $50 + 3$			22. (a) $(1 \times 2^{2}) + (1 \times 2$	M	For correct method
	50+20	<u> </u>	For forming equation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	24 - 24 + 2x = 50 + x - x $2x - x = 50 - 24$ $x = 26$			n = base five (b) $(67 + 7) - (18 + 7)$	A.	For n = base five
18.	5	A _I	For 26 years	718	Ϊ.	For correct use of the
		X.	For correct method	-17/	>	For 7
	198			= 3.0.4		
		A ₁	For Shs. 400,000	Product = 304	M.	For correct multiplying
	Weeks Days	M, F	For correct subtraction	+ 5.00		3057
		A ₁ F	For 5 weeks 5 days		33	2060 101

-	0	2				<u>, , , , , , , , , , , , , , , , , , , </u>	3	23	Į.
a 7	$\frac{(40 \times 2) + (p \times 4) + 90 + (60 \times 3) = 55 \text{kg}}{10}$ $\frac{80 + 4p + 90 + 180 = 55 \text{kg}}{10}$ $10 \times 350 + 4p = 55 \text{kg} \times 10$	(ii) $A = \frac{2}{3} \times \frac{2}{3} \times 3 \times 3$ = $\frac{2}{3} \times \frac{2}{3} \times 3 \times 3$	= 'V = 12' × 3' × 3' × 3' × 3' × 3' × 3' × 3' ×	Numerals = $y = 18$ y + 2 = 18 + 2 = 20 y + 4 = 18 + 4 = 22 Numerals = $\{18, 20, 22\}$ (b) (i) $7 \times 2 \times y = 42$	20 = 18 × 19 × 10 × 10 × 10 × 10 × 10 × 10 × 10	Average = Sum V, y + 2, y + 4 Number of items = $y + y + 2 + y + 4 = 20$ y + y + y + 2 + 4 = 20 $3x + 3y + 6 = 20 \times 3$	(b) Area = L x W 88cm x h = 1760cm ² 88cmh = 201760cm 8 20cm	(a) Le	SOLU
> \brace{3}		8 ^p	в <u>В</u>	В	<u> </u>		\$ 4	ŠΑ	MRKS
For p = 50kg		For A = 36	For $y = 3$	For obtaining {18, 20, 22}	For y = 18		For correct division For height = 20cm	For correct method For 88cm	COMMENTS
	28.			27.			26		SZ
Total = 10% + 20% = 100% 10tal = 10% + 20% = 100% 100% + 20% = 100% 100% = 100% - 20% 1 = 40%	(a) 6.5 x 0.96; = 75 + 5 x 60 = 250 50 x 1/2 x 1/2 x 60	Number of sides = 360° = Exterior angle = 12 sides	(b) Exterior + Interior = 180° Exterior + 150° = 180° Exterior = 180° — 150° Exterior = 30°	(a) WXY + 70° + 30° = 180° WXY + 35° + 15° = 180° WXY = 180° = 180° = 180°	cost Ug Shs. 28	0 x 70		0, 60, 60, 60kg	SOLUTION
, K	> <u>N</u>	윤	В	A M	S> ¾	A _i	¥ \$2 ;	\$	MRKS
For $\mathfrak{X} = 40\%$	For correct method For 250	For 12 sides	For exterior angle 30°	For correct use of angle properties For WXY = 130 ^o	For correct division For 9373 Kenya Shillings	For Ug Shs. 837,000 For Ug Shs. 262,500	For 50kg	For correct method	COMMENTS

	31.						30.				29			S
2 <u>7</u> × <u>v</u>	(a) $7 - 2y > 3$ 7 - 2y + 2y > 3 - 3 7 - 3 > 2y 4 > 2y > 2y	ītsovā	1 =	Speed X Time whr X Time 14 10Hrs 2 30	14 10Hrs	J. 6		r = Shs. 228,000 360 1	360 x 20 x r = Shs. 180,000 x 360 ggr = Shs. 180,000 x 360 ggr = Shs. 180,000 x 360 ggr	(b) Left the income be a non	(a) $\frac{2h}{h} + \frac{1}{1200} + \frac{300}{1200} = 3600$	0,0	(ii) $\frac{40\%}{400} + \frac{20\%}{100}$ of 1800 x 3 pens = 60 x 1800 x 3 pens	SOLUTION
- P	M, F	B _P		D	B ₁	В		#	M.	>	M ₁	8 2	N.	MRKS
For 2 ≥ y	For collection of like terms	For distance 200km	duration 27 ms	or chairing of his	For 1410Hrs	For obtaining 50 minutes correctly		For Shs. 720,000	For correct method	For $h = 80^{\circ}$	For forming equation	For 3294 pens	For correct multiplying	COMMENTS
Village		ocm 6cm	- 	7cm (135° 135° 7cm (135°)	ACCURATE DIAGRAM	Distance = 1cm = 10km	Distance = 1cm = 10km Village	60km	Schdol-	32. (a) N SKEICH N 1350		(ii) Perimeter = $S + S + S + S$ = $3t + t + 3 + (2t - 4)m$ = $21m + 10m + 10m$	(b) (i) $(2t - 4)m = (t + 3)m$ 2t - 1 = 3 + 4m t = 7m	S/N SOLUTION
05	<u>}</u>	ū	<u>.</u>	ב					S	,	82	Z	> 3	MRKS
	For accurate angle 270°	For accurate angle 135°	For distance 7cm	For distance 6 cm					For correct sketch	÷	For 41m	For correct substitution	For t = 7m	COMMENTS