KAMPALA PRIMARY SCHOOLS' SKYLINE E AMINATIONSTM

P.L. - 2023

Set 02

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No. '			
Candidate's Name: 0756765866	Solmson		
Candidate's Signature:			
District Name:			
DO NOT OPEN THIS BOOK LET UNTIL YOU ARE TOLD TO DO SO. FOR EXAMINERS'			
Read the following instructions carefully;	USE ONLY		
The paper has two Sections: A and B.			

- Section A has 20 short questions (40 marks).
- Section B has 12 questions (60 marks).
- 4. Attempt ALL questions. All answers to both Sections A and B must be written in the spaces proviued.
- 5. All answers must be written using blue or black ball-point pen or ink. Only diagrams and graphs work may be done in pencil.
- 6. Unnecessary alteration of work will lead to loss of marks.
- 7. Any handwriting that cannot easily be read may lead to loss of marks.
- 8. Do not fill anything in the boxes indicated for examiners' use only.

1	FOR EXAMINERS' USE ONLY		
Qn. No.	MARK	SIGN	
1-4		40	
5-8		1 4	
9-12		4.	
13 – 16		Le	
17 – 20			
21 – 23			
24 – 26			
27 – 29	- 4		
30 – 32	8,411		
TOTAL	3/1-1		

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SECTION A: 40 MARKS

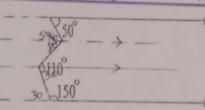
Questions 1 to 20 carry two marks each.

1. Work out: $\frac{2}{3} - \frac{1}{2} =$

$$\frac{2}{3} - \frac{1}{2} = \frac{4 - 3}{6}$$

2. Work out: 24 ÷ 8

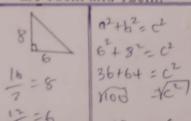
3. In the diagram given below, find the value of N.



110

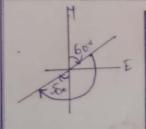
4. Solve for K: 4(2K - 4) = 4K

5. Work out the distance around rhombus whose lengths of the diagonals are 16cm and 12cm.

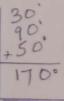


tength=10cm	
HXIOCM	
=40cm .	

6. Jane is facing N60°E. She turns clockwise to face the direction of S50°W. Through what angle does she turn?



90 -60 30



8. Write 9865 in scientific notation.

7. Subtract
$$(b^3 - a^3)$$
 from a^3 and b^3

$$(a^3 + b^3) - (b^3 - a^3)$$

$$a^3 + b^3 - b^3 + a^3$$

$$a^5 + a^3 + b^3 - b^3$$

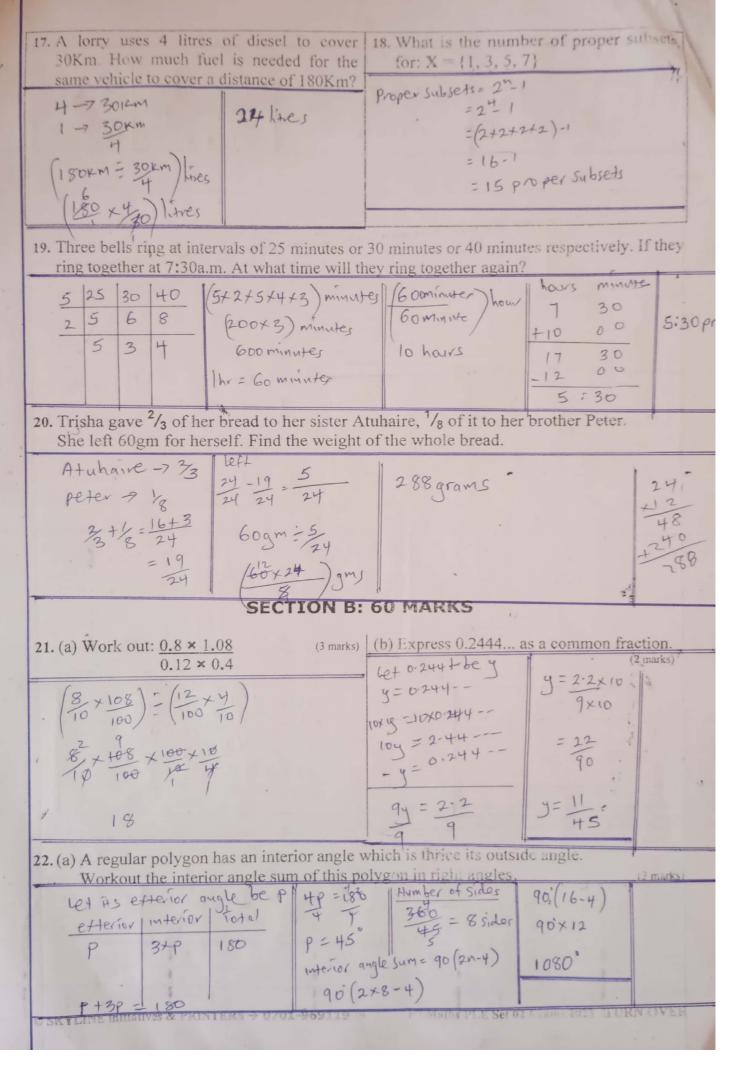
9865=10 9865=10 9865=10

9.865X103

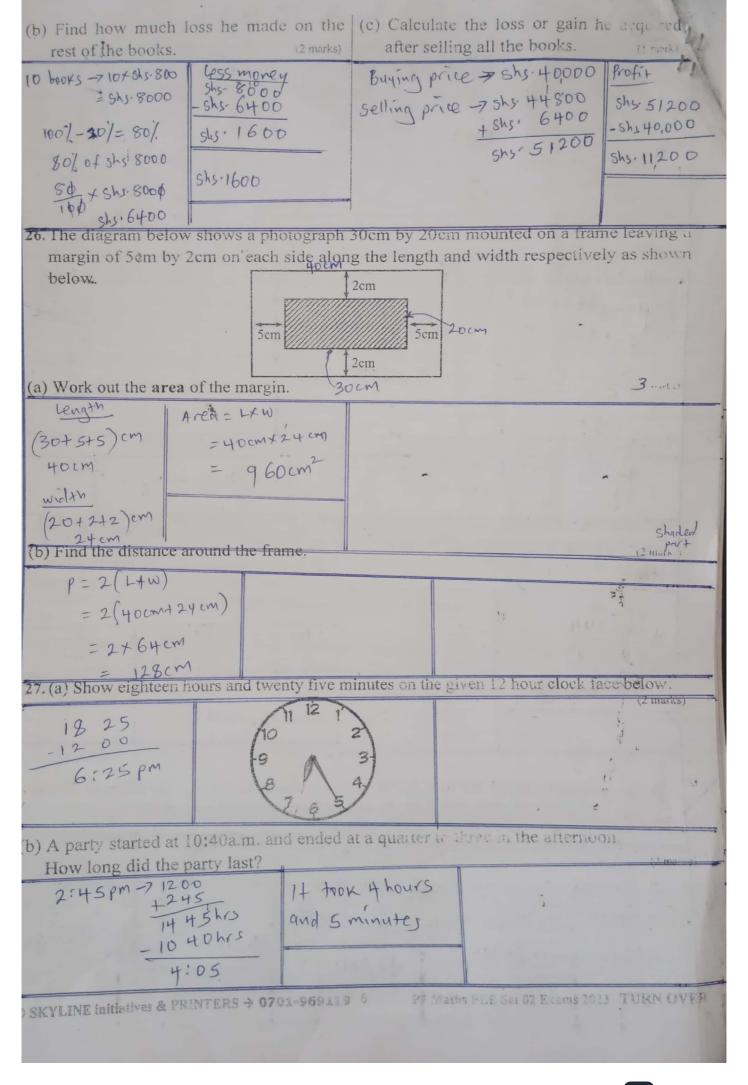
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"T Maths PLE Set 02 Exams 2023 TURN OVER

	9. The diagram given below represents a cup which Mr. Muwonge uses at his home.
1	Workout the surface area of the cup. Surface area = 2424 44
	= 23 x yron x 14 cm base area x toffon 2+32 + ten+20 = 1188 cm
	= 23x yrm x 14cm base area x 10000 2422 + ten+20 = 11886m = 154 cm ² x 2000 2 + 309 cm ² + 309 cm ² + 309 cm ² 1386
	To. The mean age of 30 pupils is 12 years and the average age of the youngest 10 pupils
	is 10 years. Find the mean age of the remaining pupils. Muriber Mean Sum 26 \$\psi \psi \psi \psi \psi \psi \psi \psi
	30 17-years 360 years 210
	-10 loyens -100 years 13 years
-	11. Muzinzi borrows Shs.50,000/= and has 12. Kato walks 5 metres East then 10 metres West and again 12 metres East.
-	Workout the total amount he will pay Morkout the total amount he will pay How far is he from the original point?
- Emily	J = PXRXT Sh5-50,000 5m, Tom, 12m +7 metres
Contract of	= shs. 50,000 10×1×12 + shs. 60,000 + shs. 6
-	shs-60,000
Constitution of the last	+5+710++12 -
	13. The area of the given figure ABCD below is 140cm ² , find the length of AB.
	bxn = 140am²
1	28cm bx 28cm = 140cmt 28cm
1	286m 2780m
	b = 50cm
1	14. If $a = 6$, $b = 1$ and $C = 4$. Find the value of: 15. Find the Roman numerals quotient of: $ \frac{a^2b}{a^2} = \frac{a^2b}{a^$
-	CM 7 700 ato
1	to Court
	6^2 1 9 1 1 1 1 1 1 1 1 1 1
-	6 ² x-1 -4 VIII ->+8
١	16. Three men Senjala, Odongo and Farjala contributed money to start a business. Senjala raised Shs.900,000/=. Odong contributed Two thirds of Senjala's share and then
	Farjala gave thrice as much as Odong. Find their initial capital for their business.
	Serial a > shi 900000 > shi 900,000 + shi 1800,000 ;
	0dongo = 3 2 5 5 5 900,000 -> 8hs 600,000 Shs 3300,000
-	farials -7 3+2/+5hs. 900,000 76h 1800,000
	THE REAL PROPERTY AND ADDRESS OF THE PARTY O
1	



(b) What is the name of the p	olygon? Reg	ular	Octagon	(2 marks)
23. The Venn diagram repre-			,)	arty and they were
served with Chacker n(C	and Meat M).			
Use the dingram () is significant	er the que tion	s that fo		
		(C)	π(ξ)	
i	4Y+6 $2Y$	Y+12		
		Y+12 Y-	+2	
(a) Given that 28 people d	isliked Chicken	, find th	ne number of peo	ple who ate both
Chicken and Meat.	E (1)	4-	19	(3 marks)
$\frac{4y+6+y+2=28}{4y+4+6+2=28}$ $\frac{5y+8-8}{5}=28-8$ $\frac{5y+8-8}{5}=20$ $\frac{5}{5}$	129			
4444672 = 28	2) 4 (2+4) peop 8 people		2	Claure co. I
5448-8 = 28-8	(2+4) PEOP	e		aniversa)
- 10 - 10				38
3	8 people			+ 6
二十九	_			52
2			00 10	
(b) What is the probability of	110se people wr	2	ly one type of food:	(1 mark)
49+6, 9+12 HX4)	-= 16 21	6	probability >> ==	2
24. Some tourists paid US\$2	0			3
got a receipt numbered 20	2704 and the las	st got 202	2803.	ne first tourist
(a) How many tourists visited	d the wild life	(b) If ev	very tourist paid the	entrance fee.
202883 -202704	(2 marks)	What v	was the total paym	ent in Uganda
202704		Simming	s if each dollar cost	Shs.3,800/\(\pm\)? (3 marks)
99+1		1 100;	X2 × Shs. 3800	
		Shs-/1007	(7600) 160,000	
100 tourists				7 4
		shsr-	160,000	
25. Mudubira has a shop. He	hought 50 hook	e at She	200/- and II	
goods at a profit of 40/0 at	id then the rest (of the bo	oks at a loss of 20%	ecided to sell 40
(a) At what price did he sell e	ach of the 40 bo	oks?		(3 marks)
Brying price	100/+40/=14	0/	each book	32
Shs-800×50	140% of she 3	52000	shs. 44800.	414
shir 40,000	140 12	2000	40	128
40 books -> 40xshs.800	160 75 NS. S		shs:1120	+3+48
= Shy 32000	shs. 44,800			
Contract initiatives & Philippens	OTO DESCRIPTION OF		VISITED I LE SET UZ EXAMS	AND COUNTY PARTY CASE
				CS



BYR Total ratio Whole carpet	(b) By how many more square area of region red more that region yellow?	metres is the an the area of		
4 3 5 4:3:5 4+3+5 12+20 sq metres	5-3=2			
4 3 5 4+3+5 12+20 Sq. metres 12 240 Sq. metres 14 C-F	(2+20) more Sq-metres Homore Sq. metres.			
	40 more sq. metres.			
BO squaremetres				
20 square metres				
29. Using the grid given below, plot the following	lowing points correctly:			
(a) P(3, 1), Q(1, 4), R(5, 4) and S(3, 1). (4 marks)				
Q	A R	3374		
	3			
6 5 4 3 2 71 2	1 2 3 4 5 6	6×5		
P	2 15			
	3	100		
		_		
(b) Join points P to Q, Q to R, R to S and				
S to P. Name the figure formed. (1 mark)		(I mark)		
	Number of fall squares + /2x	west string		
Paralle logram	24 + /2× +26 (24+6) cm²			
	(24+6) cm2			
	30 cm ²	4 4		
	11/11/11/11/11/11	11111		
30. In a club, ¹ / ₄ of the members play Footb Tennis and the rest of the members in the	e club play Basketball	namuer play		
		h (2 mades)		
(a) If 40 members play Football, find the num	1			
	α / / / / / / / / / / / / / / / / / / /	100		
Foot ball-> /4 Remainder Total	, 7+2			
tockey -> 1/3 12-7 12-7 12+	6= 7+2 whole club	1/2		
toot ball -> /4 Femander 12-7 1	$\frac{1}{6} = \frac{7+2}{12}$ whole club $\frac{9}{12} = \frac{3}{4}$ $\frac{40-\frac{1}{4}}{12}$ members	160 member		
tockey -> 1/3 12-7	6-7+2 Whole club 12-34 (40-14) members 40+4=1600	160 member		
tockey -> 1/3 12-7	$6 = \frac{7+2}{12}$ whole club whole club $40 = \frac{7}{4}$ members $40 = \frac{7}{4}$ $40 = \frac{7}{4}$ members $40 = \frac{7}{4}$ $40 = \frac{7}$	nembers 160 members		
foot ball -> 4 Remainder Total 12-7	$6 = \frac{7+2}{12}$ whole club $40 = \frac{7}{4}$ whole club $40 = \frac{7}{4}$ where $\frac{7}{4}$ whole club $\frac{7}{4}$ $\frac{7}{4}$ $\frac{7}{4}$ $\frac{7}{4}$ $\frac{7}{4}$ $\frac{7}{4}$ $\frac{7}{4}$ $\frac{7}{4}$ P7 Waths PLE Set 02 Exams 202	nembers 160 members		
foot ball -> /4 Hockey -> /3 12-7	$6 = \frac{7+2}{12}$ whole club $40 = \frac{7}{4}$ $40 = \frac{7}{$	nembers 160 members		

