## THE SIPRO END OF TERM III EXAMINATIONS - 2022

SUBJECT

MATHEMATICS

**CLASS** 

PRIMARY SIX

**DURATION:** 

2 hours 30 minutes

Name	;	
School	:	
District	;	

## READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

- 1. This paper has two sections: A and B.
- 2. Section A has 20 questions (40 Marks).
- 3. Section B has 12 questions (60 Marks).
- 4. Attempt all questions in both sections. All answers to both sections A and B, must be written in the spaces provided.
- 5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
- 6. Unnecessary alteration of work will lead to loss of marks.
- 7. Any handwriting that cannot be easily read may lead to loss of marks.
- 8. Do not fill anything in the boxes indicated: "FOR EXAMINER'S USE ONLY"

## For Examiner's Use Only;

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		•
Page 4		
Page 5		
Page 6		
Page 7	-	
Total		

Please turn over



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Attempt all questions in this section  Questions 1 to 20 carry two marks each  Work out: 12 x 2					
1.	Work out: 12 x 3.	2.	Expand 2,456 using powers		
	72 7.0.	2.	of ten.		
		- · , ;			
3.	Find the <b>next</b> number in the sequence:	4.	Increase 360 goats in the ratio		
	1, 2, 4, 8, 16,		of <b>7:6</b> .		
5.	The subsets of set P are	6.	With the help of a ruler, a		
Tarabana and a salah and a	Ø, {1},{2},{3}, {1,2},{1,3},{2,3}	0.	sharp pencil and a pair of		
	and {1,2,3} Find the number of subsets in set P.	_	compasses only, construct an		
			angle of <b>60</b> º.		
and the second		,			
7.	A mathematica lassace to the				
	A mathematics lesson started at At what time did it end?	7:30	am and lasted for 40 minutes.		
THE PROPERTY OF THE PROPERTY O					
COMMUNITY			•		
8.	<b>Solve:</b> 2m -6 = 14	10			
0.	301ve. 2111 -0 = 14	9.	Simplify: 6 - 8		
ACCOUNT OF THE PERSON					
10.	The cost of a fountain pen is	11.	Draw bundles to represent 38.		
	sh.3000. Find the cost of 4	,	sir bandles to represent 38.		
	similar pens.				
- Contraction of the Contraction					
· ·	9.23				

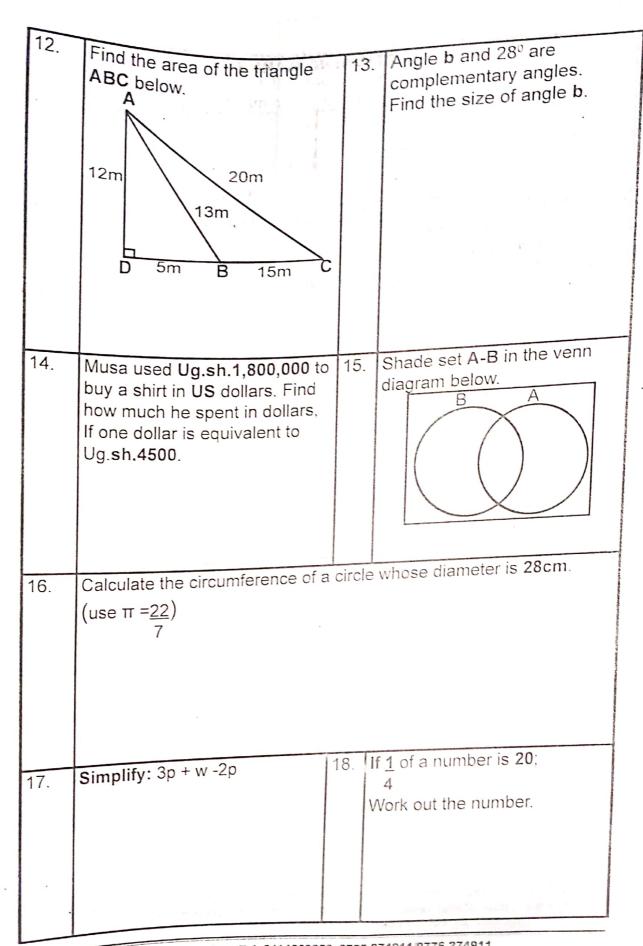


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		The second secon
		the nearest
19.	Express 36 as a product of its 20.	Round off 4685 to the nearest
19.	Express <b>36</b> as a product of its 20.	hundreds.
	prime factors.	nunareus.
	1 4 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
Ì		
	SECTION B: 60 MA	ARKS
	Attempt all questions in t	his section. the brackets
	SECTION B: 60 MA Attempt all questions in the Marks for each part of the question are	indicated in the Brasil
21.	Illian - Illian - Handad by 70 poople /	n mak suua (3):
	mineral water(w),6 took neither soda r	or mineral water while K
	mineral water (w), o took heiting sodd i	
	took both kinds of drinks.	
a)	Complete the venn diagram below.	
	n(∈) =70	
De la companya de la	n(s) = 40  n(w) = 35	
	(	
		, and the design
		(03Marks
b	Find the value of <b>K</b> .	
	λ.	
		To the state of th
		A. Monagai
		(02Marks)
22.	Katabalwa, Kiboko and Kidoma shared	sn.360,000 in the ratio
i i	3:5:2 respectively.	No. of the second secon
	How much did each get?	
45	The made and sales got	
		and the second s
1		
		(O2Marka)
		(03Marks)
	D) Express Kidoma's share as a percer	ntage.
		and the state of t
		***
		and the state of t
		Volume 1
		ne chan
		STATE OF THE STATE
		(02112-1-1
L		(02Marks)



	MNP where MN	cil and a pair of comp IP = 90°, line NM = 6°	asses to construct a triar
		p in	
b)	Measure line MP.		(04N
	and little MP.		
24.	The table bal		(01/1
	- Tericy. O.	ows the buying and se it to answer the q	selling rates at Stanbic uestions that follow.
	Currency	Buying rate	Selling rates
	Currency 1Ksh	Buying rate Ugsh 29	Selling rates Ugsh 30
a)	1Ksh 1US dollar  If Ssuuna went to the	Ugsh 29 Ugsh 3500	Ugsh 30 Ugsh 3600  lars how much money
a)	1Ksh 1US dollar  If Ssuuna went to the	Ugsh 29 Ugsh 3500	Ugsh 30 Ugsh 3600  lars how much money
a)	1Ksh 1US dollar  If Ssuuna went to the	Ugsh 29 Ugsh 3500	Ugsh 30 Ugsh 3600  lars how much money
	1Ksh 1US dollar If Ssuuna went to th Jganda shillings did	Ugsh 29 Ugsh 3500  The bank with <b>400 dol</b> ed he get from the bank with the band of the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the get	Ugsh 30 Ugsh 3600  lars how much money
	1Ksh 1US dollar  If Ssuuna went to the Janda shillings did	Ugsh 29 Ugsh 3500  The bank with <b>400 dol</b> ed he get from the bank with the band of the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the get	Ugsh 30 Ugsh 3600  lars, how much money hk?
	1Ksh 1US dollar  If Ssuuna went to the Janda shillings did	Ugsh 29 Ugsh 3500  The bank with <b>400 dol</b> ed he get from the bank with the band of the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the get	Ugsh 30 Ugsh 3600  lars, how much money hk?
(a)	1Ksh 1US dollar  If Ssuuna went to the Janda shillings did	Ugsh 29 Ugsh 3500  The bank with <b>400 dol</b> ed he get from the bank with the band of the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the get	Ugsh 30 Ugsh 3600  lars, how much money hk?
	1Ksh 1US dollar  If Ssuuna went to the Janda shillings did	Ugsh 29 Ugsh 3500  The bank with <b>400 dol</b> ed he get from the bank with the band of the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the band of USA with <b>Ksh 720</b> and the get from the get	Ugsh 30 Ugsh 3600  lars, how much money hk?

0=						
27.	A motor:					
100 Charles	of 71. Started by the					
а	A motorist started his journey at 7:30am travelling at a steady special of 7km/h for 3hours from home to the working place.					
Consideration Co.	Find the distance he covered.					
Ĭ	distance he covered					
Ī	, sovereu.					
6	(O2marks					
b	) At what time					
	At what time did he reach the working place?					
A-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	I ductifile working pro-					
900						
	(02marks					
28.a	Write 2 and					
	Write 2,456 in words. b) What number has been					
	expanded to give;					
i a	expanded to give,					
	$(7x10^2) + (3x10^1) + (5x10^2)$ ?					
100						
	(02marks) (02marks)					
	(ozmane)					
(c)	Mugwana weighs 64kg. Write his mass in Roman numerals.					
	·					
	(22000/20)					
	(O2marks)					
[29 a)	Work out 4 + 7 using the number line below.					
1						
1						
	7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 (Osmarks)					
	Find the integer which is 7 steps to the right of 3.					
b)	Find the integer which is 7 steps to the right of					
The state of the s						
No de la constante de la const						
	(02)5ex(Ks)					

		200
25	- 1	The sum of three consecutive b) Find their range.
		counting numbers is 36.
	a)	Find the numbers.
	α,	,
b d		
		· · · · · · · · · · · · · · · · · · ·
		(02Marks)
26		The figure below shows a triangle enclosed in a square of side 10m.
20	•	Study it carefully and answer the questions that follow.
		Study it carefully and anower the que
		10m
		78m
		Thinning the second sec
	a)	Find the area of the triangle.
	,	
		(02Marks)
		and the group of the square
	b)	Work out the area of the square.
		(02Marks)
		Calculate the area of the shaded part.
	c)	Calculate the area of the officers p
Culting		the same of the sa
100		(O1Mark)
5		(OTMAN)



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IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WHILT THE ACTIVITY BOOKS, SEMAS, 1875 GLIDES AND PUPIL'S COMPANIONS.

-	20					
,	30 <sub>.</sub> a)	Nelson is 37years old and Karamagi is 17 years old. After how many years will Nelson be twice the age of Karamagi?				
				6	en i	
	b)	How old will each be then?			(03marks)	
THE RESIDENCE OF THE PARTY OF T	31.	Use the table below to answer	the o	questions that follo	(02marks) <b>w.</b>	
A THE RESIDENCE AND ADDRESS OF THE PERSON OF		marks         70         90         80           pupils         3         2         5				
COLUMN CONTRACTOR COLUMN COLUM	a)	Find the number of pupils who sa	at for	the test.		
THE PROPERTY OF PERSONS ASSESSED.		· .			-	
A CONTRACTOR OF THE PARTY OF TH	b)	Find the mean mark.			· (02marks)	
UNITED TO SERVICE STATE OF THE PARTY OF THE						
The Control of the Control					(03marks)	
	32.a)	<b>Work out:</b> <u>0.48 x 0.6</u> 0.012	b)	Change <b>0.6</b> to a confraction.	nmon .	
					Protect and a proportion of the second	
					,	
		(03marks)			(02maˈrks)	