THE SIPRO PRE - PLE SET III 2022

MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

TO BE SHOW	Random No.			Personal No.		
Index No.	3 000000	N.	900	100		
Candidate's Name	JANESTY LE	0.00		101		
Candidate's signature.	THE PERSON NAMED IN			100 / 120		
School Random No		100		14 TO SERVICE STATE OF THE SER		
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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).
- Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
- 5. As answers must be written in blue or black ball point pens of link. Only diagrams and graph work must be done in pencil.
- Unnecessary afteration of work will lead to loss of marks.
- 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	100	THE PARTY
Page 2		No. of Contract of
Page 3	MARKET !	2400
Page 4	HER	THE SELECTION
Page 5	3	1990年
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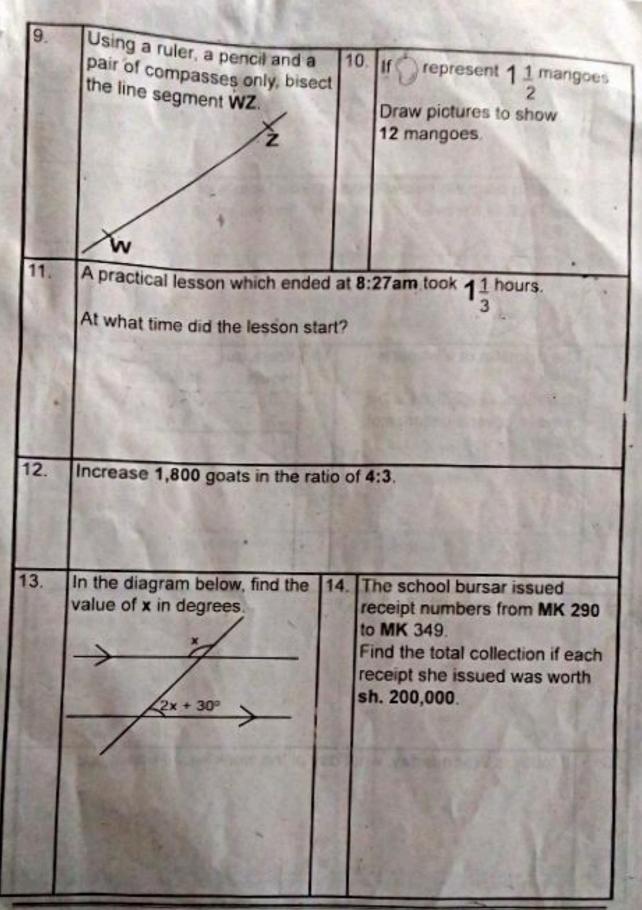
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Attempt all question	oris li	n this section
Ougations 4 to 20 ca	rry t	wo marks each
Vork out: 31 + 47	2	Write LXVI III The numerals.
		Describe the unshaded region.
Find the next number in the sequence 2, 4, 12, 24, 72,	4.	
Express 2,500ml to litres.	6.	Find the range of 3, 2, 1, 5, and 6
Musa moved 6 steps forward and then 12 steps backward. Find his new position.	8.	The cost of three books is sh.3600. Find the cost of a half dozen of similar books.
	Attempt all questions 1 to 20 ca Vork out: 31 + 47 Find the next number in the sequence 2, 4, 12, 24, 72, Express 2,500ml to litres.	Find the next number in the sequence 2, 4, 12, 24, 72, Express 2,500ml to litres. 6. Musa moved 6 steps forward and then 12 steps backward.



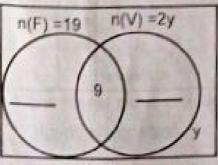
15.	Convert 12:40p,m into 24 hour clock system
16.	The venn diagram below shows prime factors of two numbers. If the GCF of the two numbers is 18, find the value of K. F, Z, K S, S, S, S, S, S, S, S, S,
17.	The diameter of a wheel is 28cm. How many revolutions will it make to cover a distance of 4.4km? 18 Work out: Hours minutes 5 20 -2 54
19.	Solve the inequality 3 - 2p ≥ 9.
20.	If today is Wednesday, what day of the week was 41 days ago?

SECTION B: 60 MARKS

Attempt all questions in this section

Marks for each part of the question are indicated in the brackets

- 21. In a group of 37 pupils, 19 play football (F), 9 play both football and volleyball, 2y play volleyball (V), while y play other games
 - a) Use the above information to complete the venn diagram below n(∈) =37



b) How many pupils played volleyball only?

(02Marks)

(03Marks)

Simplify: 1,45 - 0,55 0.08 + 0.28

22.a) Change 4 as a recurrying decimal.

(02Marks

(03Marks)



23.a)	Express 21 to binary base	b)	Find the sum of the value of 9 and place value of 3 in 490,382.
	(02Marks)		(03Marks)
24.	Makula cut 7 pancakes along lei	ngth	and 4 pancakes along widing
	radius 3 1cm from a rectangula Calculate the area of used doug	r dou	ign.
b)	Find the area of the remaining	doug	h.
S	CHARLES AND AND ADDRESS OF THE PARTY OF THE		
25.a)	Given that P= 3k and K = 5, find the value of 2k + 3p.	b)	Mary is 20 years older than Alice. In 15 years time, Mary will be twice as old as Alice. Find the age of Alice now.
1000	(02Marks)	13E	(03Marks)



The table shows the fractions of textbooks in the school library.

Study it carefully to answer the questions which follow.

Subject	Fraction
Science	1 5
Mathematics	1/3
others	У

a) Find the value of y.

(02Marks)

b) Draw an accurate circle graph of radius 3.5cm to show the above information.

(04Marks)

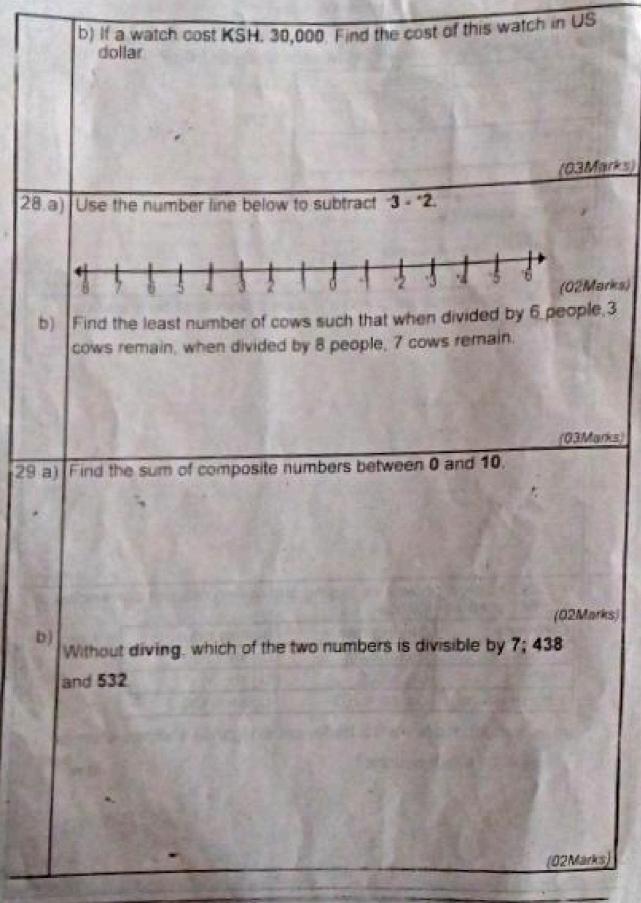
 The table below shows the buying and selling rates of currencies at a forex bureau in Iganga.

Currency	Buying rate	Selling rate
1 US dollar	Ug.sh.3,500	Ug.sh, 3,600
1Ksh	Ug. sh 30	Ug.sh. 34
1British pound	Ug. sh 4,200	Ug.sh 4,500

a) How much money will a trader get in Uganda shillings when he has 400 British pounds?

(02Marks)







 The table below shows the journey covered by a Baby Coach from town A to town E via towns B,C, and D. Study it and answer questions that follow.

Distance in km	Town	Arrival Departu	
0	A		8:00am
56	В	9:00am	9:45am
113	C	11:00am	. 11:20am
165	D	1:00pm	2:10pm
277	E	6:10pm	A COMPANY OF A STATE O

a) Find the distance from town C to town E.

(02marks)

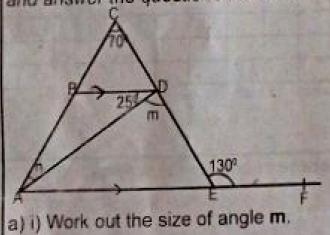
b) How long did the bus stay at town D?

(Ofmark)

Calculate the average speed of the bus from town D to town E.

(02marks)

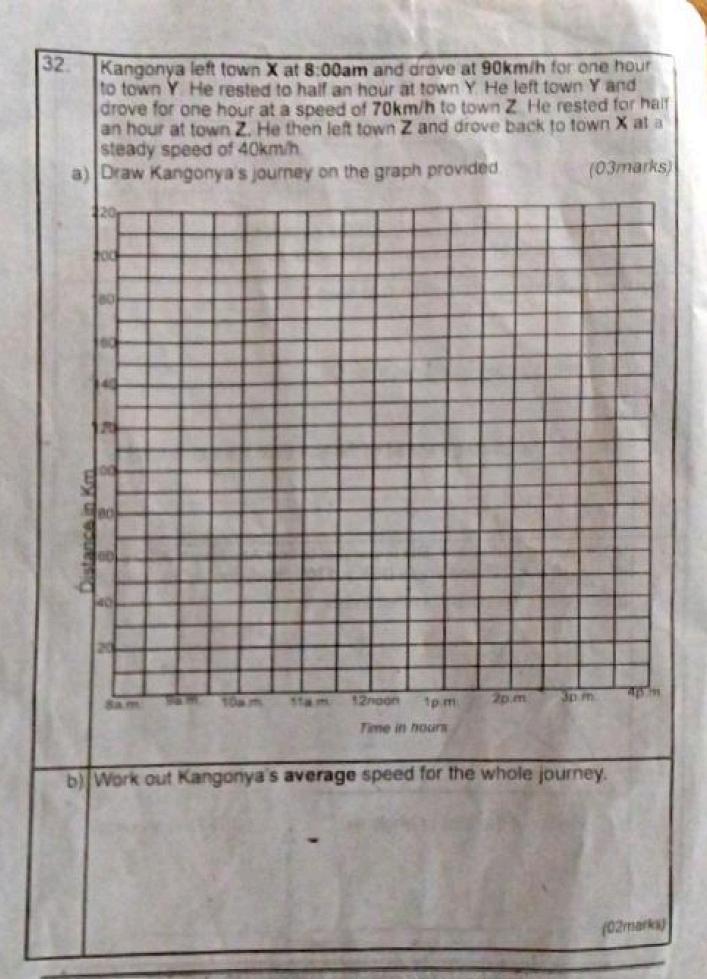
31. In the figure below, line BD is parallel to line AE. Angle BCD = 70° angle ADB = 25° and angle DEF = 130°. Study the figure carefully and answer the questions that follow.



(ii) Find angle n.

(02marks)

(O3marks)





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