## NTOROKO DISTRICT ACADEMIC BOARD PRIMARY LEAVING MOCK - 2023 MATHEMATICS

160 J	Time All						
	Rar	ndom No.	Pers	onal No.			
Candidate's Na	me:	one 1911	numbers in	uwi tasn	3. Find the		
Candidate's Sig	nature:						
District ID No.	711	1 2			F-72 LL . 77		
Read the following	na instructi	one carefully	(Take of a		1, 4, 5		
anywhere on this p	e on this paper.			FOR EXAMINERS' USE ONLY			
2. Section A has 20 q	uestions (4	0 marks)	Qn. No.	MARKS	EXR'S NO.		
3. Section B has 12 q	uestion (60	marks)	1 – 10	X =			
Attempt ALL questi	ons.		11 – 20				
All answers to both	sections A a	and B			-		
must be written in t	the spaces pr	rovided.	21 – 22				
4. All answers MUST	oe written us	sing blue	23 – 24				
or <b>black</b> ball – poin	t pen or ink	. Diagrams	25 – 26	Allon in	Annun Jirol		
should be drawn in	pencil.	18 Fan	i dimbodo	10.7	Total T		

5. Unnecessary changes of work may lead to loss of marks.

6. Any handwriting that cannot easily be read may lead to loss of marks.

7. Do not fill anything in the boxes indicated "For examiner's use only".

	USE ONLY						
Qn. No.	MARKS	EXR'S NO.					
1 – 10	3 =						
11 – 20							
21 – 22							
23 – 24							
25 – 26	All John 13	APPENDING TO					
27 – 28	from <b>no</b>	What di 42 days					
29 – 30		Liesday					
31 – 32							
TOTAL							

Prepared by Ntoroko District Academic Board Maths Primary Leaving Mock - 2023

	MIC ROLL	SECTI		
C.	Add: 13 + 8	G MOCK	2.	Express 105 in Roman Numerals.
		MATIC	H'	FAM
		hours 30 min		N. C.
	of Ison	are ay of the ca	al/Vet	Rando
	Find the next two	numbers in the	4.	Shade (ANB)'.
	sequence;			Candidate's Name:
				District II No.
	1, 4, 9, 16, _			
	and done	:VHe	Care	Read the full wind structions
			t natr	Du not write your school or Distric
	IR EXAMINERS:	04		anywhere on this paper.
5.	Find the square of	36. M.np		Simplify: 3 - 5 and A noitoe? .S
		0110	(5)	s. Section B has 12 question (60 mar)
			1	Attempt ALL questions.
		21-22		All answers to both sections A and I
	-		.bs	must be written in the spaces provide
				L All answers MUST be written using b
		25 - 26	ranks	or black ball - point pen ut intel Dia
7.	What day of the			
	42 days from no	w if today is	a	<ul> <li>Unit assary changes of worldmay h</li> </ul>
	Tuesday?			losi uf marks.
			read	Any t accoming that cannot easily be
	4.2		S 3 6	may lead to loss of marks.
				Do not fill anything in the Doxes India
	a "go a majori		1 175	"For examiner's use only", mag
		O classica A Ad-	to the second	Proposed by Massis
	1010	OR SHIRPSHAM AND	7	75 SEC. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10

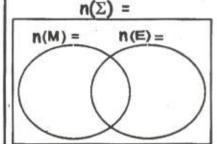
e of men	Order the following integers in ascending order.  1, 6, 0, 4, 3 and 5	Prima like Like	Express 18km/hr to m/sec.
11.	Workout: 1818 ÷ 3 wolsd stugil sall to # shorts8	12.	Find the area of the figure below.  (Take $\pi = \frac{22}{7}$ )  14cm
hitani 1431 ana	O. Colculate the percentage  made on of to the two two two two to the two	14.	Express 12: 40pm in 24hour clock system.
100 miles		48	

15.	Increase shs. 200 in the ratio 5:4.	16.	5 men take 6 days to do a piece of work. How many more days will 3 men take to do the same piece of work working at the same rate?
			Sheer (Aria)
17.	Use a pair of compasses, a ruler and a pencil only to construct an angle of 75°.	18.	Shade $\frac{1}{3}$ of the figure below.
19.	Write 0.00769 in standard form.	20.	Calculate the percentage profit made on a text book bought at sh. 12,000 and later sold at shs. 15,000.

## SECTION B: (60 Marks)

- In a class of 50 pupils at New Hope Primary School, 30 pupils like Maths (M),
   25 pupils like English (E) and n pupils like both subjects.
  - (a) Represent the above information on the venn diagram below.

(2marks)



(b) If a pupil is picked at random, what is the probability that he/she likes both subjects?

(3marks)

22. (a) Workout: 0.45 + 0.27 (3marks)

Total expenditure

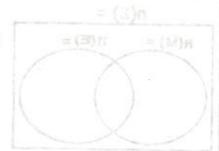
(b) Arrange the following fractions in descending order.  $\frac{2}{3}$ ,  $\frac{3}{4}$  and  $\frac{2}{5}$ 

(3marks)

Mtoroke District

23.	Two bells ring at intervals of 30 and 40 minutes respectively to change the
	lessons. If they first ring together at 8:30am, at what time will they ring
Cooled	together again? (5marks)

(b) If a pupil is picked at random, what is the probability that he/she likes both subjects



24. Study and complete Bwambale's shopping bill.

Item	Quantity	Unit cost	Amount
Sugar Rice	3kg kg	shsper kg shs. 5000 per kg	shs. 14400 shs. 2500
Milk	250 mls	shs.3000 per litre	shs
Biscuits	2 packets	shsper pct	shs
Total exp	enditure		sh. 29650

(5marks)

(b) Arrange the following fractions in descending order. 를, 극 and 음

	Using a ruler, a pencil and a pair of compasses only, construct a Rhombus AE	BCE
(s)hu	where line $AB = BC = CD = DA = 6cm$ and angle $DAB = 60^{\circ}$ . (4mail 19)	rks)
e0		
	(b) What is the sum of the interior angles of the polygon? (2nd	
	Fill Workshife E. File Fond for the extension and record	
		82
	The table below shows marks scored by pupils of Kibuuku P/S in a Mathema	28
26.	John travelled from town A to town B at a speed of 90km/hr for 1½ hrs. He	
(Jran	continued to town C at a speed of 60km/hr for one hour.  Calculate the average speed for the whole journey.  (4mark	
	And the state of t	
zino	(b) Fing the median mark (2marks) (c) Calculate the average mark (3m	
arks	(b) Fing the median mark (2marks) (c) Calculate the average mark. (3m	
erks)	(b) Find the median mark (2marks) (c) Calculate the average mark (3m	
zine	(b) Find the median thank (2marks) (c) Calculate the average mark. (3m	
zina	(b) Find the median mark (2marks) (c) Calculate the average mark (3m	
arks	(b) Find the median truck (2marks) (c) Calculate the average mark (3m	
arks	(b) Fing the median mark (2marks) (c) Calculate the average mark (3m	
arks		
arks		
arks)		

27.	A regular polycon	has one	of the avt	anian anala	00 AE0		
038	A regular polygon	nas one c	Ine ext	erior angle	25 as 45 .		
(Synt	(a) Name the polyg	gon.					12-1-1
							-
				- 10			
	(b) What is the su	<b>m</b> of the	interior o	ngles of th	ne polygon	?	(2marks)
					- X		
	TON S STEEL THE						
	erta et Tali						
28.	The table below sh	ows mark	s scored b	y pupils of	Kibuuku P	7/S in a Mat	hematics
3	test. Study it and						
-	Number of pupils	2 80		90		travelled f	
(solna)	(a) How many pupils	USE	and discolo	9/11/107 63		ulate the avi	
							(
	(b) Find the median	n mark.	(2marks)	(c) Calcula	te the ave	erage mark.	(3marks)
	194						
			-				
			1			A. 10	
					13		

(a) Solve for x: 3 - x = 2x

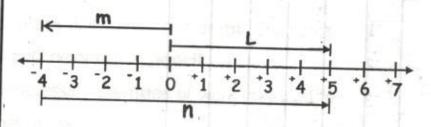
(3marks)

(a) On the graph below, plot the paints: shotter to section and here

(b) Workout:  $\frac{1}{2}n + 5 \ge 7$  and find the solution set for n.

(3marks)

Study the number line and answer the questions that follow.

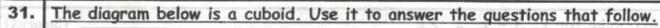


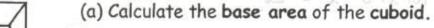
(a) Write the integers for:

(1mark each)

(b) Write the Mathematical statement shown on the number line above.

(2 marks)





(b) Workout: \$n + 5 ≥ 7 and find the solution set for n.

(2marks)

120cm 60cm

80cm

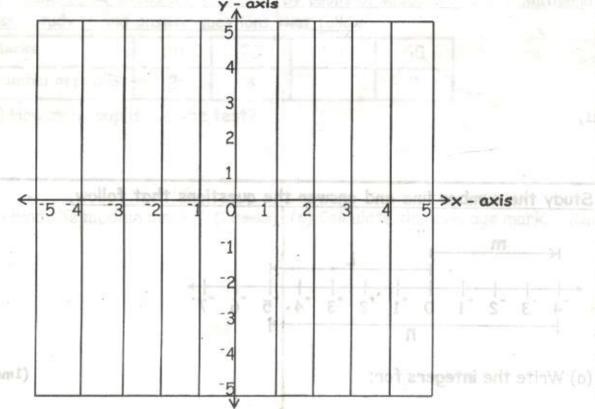
(b) Workout the capacity of the cuboid above.

(3marks)

32. (a) On the graph below, plot the points;

(5marks)

A (-2, +3), B (+5, +3) C (-2, -1) D (+1, -1),



(b) Join A to B, B to D, D to C and C to A.

(c) Name the quadrilateral formed after joining the points.

THE END