WAKISO DISTRICT JOINT EXAMINATIONS BOARD

(WAKISO MAIN, KIRA, MAKINDYE AND NANSANA MUNICIPALITY)

PRIMARY SEVEN INTERNAL ASSESSMENT

2023

MATHEMATICS

Time Allowed: 2 hours 30 minutes

	Time Allowed. 2 Ho	urs 30 mm	nes	
	Random No.	Pe	ersonal No.	
	Index No.			
Cand	idate's Name: TR·WALTER	ζ		
Cand	idate's signature:	OT a L	00500	0 70 00
Scho	ol Name: 0775232		07526	27380
Distri	ct/Municipality: KAMPALA	<u>†</u>		
		1		
	OT OPEN THIS BOOKLET UNTIL YOU AR	E TOLD TO	FOR	EXAMINERS'
	the following Instructions Carefully:	è		USE ONLY
	This paper has two sections A and 8.			1
2.	Section A has 20 questions (40 marks).			
3.	Section B has 12 questions (60 marks).	F.(OR EXAMINE	DC'
4.	Answer all questions. All the working for	"	USE ONLY	
	both sections A and B must be shown in spaces provided.	Qn. No	Marks	EXR'S NO.
5.	All working must be done using a blue or	1-5		
	black ball point pen or ink. Any work done in	6-10	• .	
	pencil other than graphs and diagrams will not be marked.	11-15		
		16-20		
6.	No calculators are allowed in the examination room.	21-22	1	
; 7.	Unnecessary changes and crossings in your	23-24		
•	work and handwriting that cannot easily be	25-26		,
	read may lead to loss of marks.	27-28		
8.	Do not write anything in the boxes indicated "For examiners' use only"	29-30		
	31.01	31-32		

ORGANISED AND PUBLISHED BY:

WA.D.E.B

SECTION A (40 MARKS)

Answer all questions in this section.

1.	Add: 3.7 + 2.3	1. 10.
	3.7	
	+2.3	
	6.0	***************************************

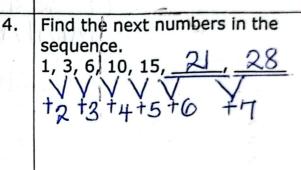
Write 49	as a	Rom	an N	lumera	al.
49	=	40	+	9	
1	*	1		.₩	
49	=	XL		lΧ	
110		V		V	
49	-		- 1	\nearrow	

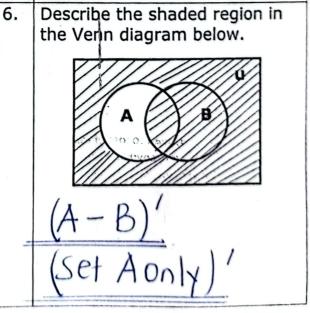
3. Subtract:
$$\frac{1}{2} - \frac{1}{4}$$

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

$$= \frac{1}{4}$$

Write eighty four thousand





5.

7.	Factorize completely: 4ap - 2a	8.	Simplify: -9 - +4 =
11	#AP - 29 20 20 20 (2P-1)	à	-9-(+4) -9-4 -13
9.	Show twenty minutes to three	10.	Civel chaca— 27 2 - 7. Tilla che
	o'clock on the face shown.		value of 3a - b . (3X9)-b (3X2)-4 (3X2)-4 (3X2)-4 (3X2)-4 (3X2)-4 (3X2)-4 (3X2)-4
11.	If today is Thursday, what day of the week will it be 102 days from now? $DQY + DQY = - (mod 7)$ $Thur + 102 = - (mod 7)$ $4 + 102 = 156 \Gamma (mod 7)$ $Thur + 102 = 106 \Gamma (mod 7)$	12.	Find the size of the angle marked P in the figure below. $P+P+70^{\circ}=180^{\circ}(\text{Intz})$ $2P+70^{\circ}=180^{\circ}$ $2P+70^{\circ}-70^{\circ}=180^{\circ}-70^{\circ}$ $2P+70^{\circ}-70^{\circ}=180^{\circ}-70^{\circ}$ $2P+70^{\circ}-70^{\circ}=180^{\circ}-70^{\circ}$ $2P+70^{\circ}-70^{\circ}=180^{\circ}-70^{\circ}$ $2P+70^{\circ}-70^{\circ}=180^{\circ}-70^{\circ}$ $2P+70^{\circ}-70^{\circ}=180^{\circ}-70^{\circ}$ $2P+70^{\circ}-70^{\circ}=180^{\circ}-70^{\circ}$
13.	Round off 246.8 to the nearest	14.	Subtract: 1010 _{two} - 111 _{two}
	whole number. H	-	7070 -111two 0011 two

ASSESSMENT P.7

2023 PG2

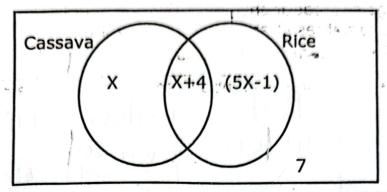
MATHEMATICS

WA.D.E.B INTERNAL

15.	When $\frac{1}{9}$ of the pupils in a class 46. A school bursar deposited a bundle of twenty thousand
	are absent, 32 pupils are shilling notes numbered from
	present. Find the number of BR2854600 to BR2854799
	pupils in the class. consecutively. How much
	Abrest Dre cost money did the bursar deposit?
	No of poter = (rut - Eigh) +1
	9 9 9 9 BR2854799
	-BR2854600
	8 → 32 pupil 9 199+1=200m
3.	(32 + 8/2) Pupils (4x9) pupil Amount (han con x 200
	(ox, 99 Hopily Chan con y and
	132 X 72 DUDLI SUPULT (h 400000
17.	Express 750 millilitres to litres.
	1000ml => 14 0.075m/Hilitres or
	TEO LINE
	(150ml = (750ml) litres 3/4 litres
	1000001
18.	The area of the shaded triangle is $20cm^2$. If the height of the triangle is
	5cm, find the length of the base of the shaded triangle.
12.	BXH = Areq
	b = 8cm
	1 2x bx5cm = 20cm2x2
	5cm X 2/2011 - 4 0011 / 2
1	
	5bcm = 40cm xcm
;	5ch 5ch
i .	The state of the s
19.	Find the median of the 20 . Simplify: $3^2 \times 3^5$
	following integers.
!	4, -1, 2, 0, -4 3 ² ×3 ³
	Median = (4)(1)0(2(4))
	Median = 0 27
	3

SECTION B (60 MARKS)

21. The venn diagram below shows the number of farmers who grow different crops in a community farm.



(a) If 24 farmers grow cassava, find the value of X.

$$X+X+4 = 24$$

 $2X+4 = 24$
 $2X+4-4 = 24-4$
 $2X = 20$

$$\frac{1}{2} \frac{2}{2} = \frac{20}{2}$$

$$\frac{2}{2} = \frac{20}{2}$$

$$\frac{2}{2} = \frac{20}{2}$$

(3mrks)

(b) How many farmers grow only one crop?

$$(X + 5X)-1$$

 $(6X10)-1$

(b)

(2mks) How old is the younger child?

- 22. Mukasa has two children, Kigongo and Kityo. If Kigongo is half his age, Kityo is a third his age and the total age of the two children is 30 years.
- (a) How old is Mukasa?

 Let Mukasa's age

(1mrk)

WA.D.E.B INTERNAL A

ASSESSMENT P.7

P.7 MATHEMATICS

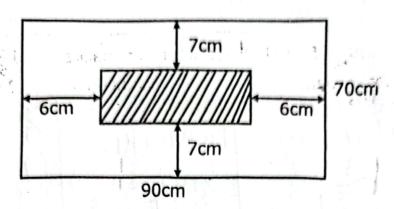
S 2023

PG4

23.	Shanitah went to the market and bought the following Items.
	recognitions and mandament of a works with the second of t
	(i) $3\frac{1}{2}$ Kg of rice in half kg packets at shs. 1,900 @ pack
,	(ii) 3kgs of meat at shs. 14,000 @ kg,
	(iii) 12 tomatoes at shs. 500 for every 4 tomatoes, (iv) 2 Kg of sugar at shs. 12,500/=
1	1
(a)	Calculate the total amount she spent on all the items.
î	Rice Meat Tomatoer Sugar Total amon
	1kg=sh1900x2 Sh14000 to xsh500 Sh42000
	Sh12500 (h 13 30b)
	Sh 42000 3xsh 500 sh 12 500
	3/1/2000 O/0/1000
Grand.	7xsh1900 sh1500 th 69 200
	Sh13,300 (5mrks)
(b)	If she was given change of shs.700, how much money did she take
(5)	to the shon?
	sh 69,300
	+ch 700
	d. 7 000
	3h 10,000
	(2mrks)
24.	Using a ruler, pencil and a pair of compasses only, construct a
	triangle LMN. Where angle LMN=60°, line MN= 7cm, and angle MNL=45° in the space below. Accurate dynamical angle dynamical ang
:1	Sketch
i	
	60° 45°
	M Ten A
	M 7cm (4mrks)
g E .	AGGREGATION D.C. MARRIEMARIOS 2023 (PG5)
VA.D.	E.B INTERNAL ASSESSMENT P.7 MATHEMATICS 2023

(b)	Measure line LM
	LM == 5.2cm
	(1mrk)
25.	A tailor used $\frac{3}{8}$ of a roll of cloth in making jackets and $\frac{2}{8}$ of the
	remainder in making trousers. He was then left with 9 metres. How
	long was the roll of the cloth at first?
	Jacket Trouser Frontion left 18 3 9 metres
	36 2005
	る 名 名 2 1 2 1 1 1 1 1 1 1
	Remainder & (7x8) metre
4 1.	Remainder 3 metre
	8 8 4 (3x8) metre
	5/8 4 24 metr(5mrks)
26.	(b) Express 0.1333as a
	Workout: $\frac{1.0 \times 10^{-5}}{0.8 \times 5.4}$ fraction in its lowest terms
	18 X 48 \- (8 X 54) Let 0:133 be X
	$\frac{10}{10} = \frac{10}{10} = \frac{10}{10} = \frac{133 - 1}{10} = \frac{10}{10} =$
1	18 x 48 x 10, x 10, 10K = 1333 K= %
	10 X 10 X 5 X 5 10 10 X 10 X 15
	100x - 12,202
	-IDIX 1,333
	1 X 1 X 1 X 1 190K = 12 +2
	2 (3mrks) 90 90 30 15 (3mrks)
27.	Moses and Ali went on a journey. Moses started at 6:00a.m and
i	walked the distance at 5km/hr. Ali cycled at 15km/hr. They arrived together at 11:00a.m. At what time did Ali start his journey?
1	Alicertime Mose Outone Alicetime Alice storting time 3x
'	HQC MININ = CVT T = N
	11 00 N-5KMYEL SITH H 00 2
	-000 th
	5 (5/5) Km 3 1000
	5hour D= 25km T= 13hove At 9120(5mrks)
WA.D.	E.B INTERNAL ASSESSMENT P.7 MATHEMATICS 2023 PG6
	# 4 1

28. A piece of cloth is laid on a table 90cm long and 70cm wide as shown in the figure below. The area covered by the piece of cloth is shaded.



28 Find the length and width of (a) the piece of cloth.

Length Width 90cm-(6+6)cm 70cm-(7+7)cm 90cm-12cm 70cm-14cm

78cm _ 56cm

(b) Find the area of the table which is not covered with a piece of cloth.

Area (Toble) Area (cloth)

A = L X W A = L X W

A = 90cm x 70 m A = 78cm x 56cm

Area (shoded ports)
Area = 563600 cm²
- 4368 cm²
1.932 cm² (3mrks)

29. A man got a loan of sh. 120,000 from a Savings and Credit

Cooperative Society at a simple interest rate of 8% per annum. He paid an interest of sh. 7,200 on the loan. For how long was the loan?

Time =
$$\frac{1001}{PXR}$$
 $\frac{3}{63}$
Time = $\frac{100X}{5K}$ $\frac{4200}{7}$
 $\frac{3}{1}$ $\frac{100X}{100}$ $\frac{3}{100}$ $\frac{100X}{100}$ $\frac{$

(3mrks)

30. The graph below shows the attendance of P.7 pupils last week in Kagera primary school. Use it to answer the questions that follow. If it registered 60 pupils in the primary seven class.

Days of the week	Mon	Tue	Wed	Thur	Fri
No. pupils	40	55	30	35	50
Absent	QO	5	30	25	10
Number of Publis 20 30 10 0					
MON TUE	WED ys of the we	THUR	FRI		· ·
•					

(a) How many pupils were present on Thursday?

35 pupile

(b) Find the difference between the highest and the lowest attendance.

(55-30) pupit

(1mrk)

(c) How many pupils were absent on Tuesday?

(60-55) pupili 5 pupili (d)

(1mrk)

Find the average number of pupils absent in that week.

Average = Sum of dat

Average = Sum of data

Average = 20+5+30+25+10

Aveoge = 80

Average = 16 Dupi (3 mrks)

- 11111

(1mrk)

21	Solve for n:	(b)	Simplify: (3 - 3	1 - (-7)
31.		(0)		
(4)	34 _n = 201 _{three}		/ 15 min 2	
	no - 32 3 63	1	[(3-(9)]-(-71
	34 = 201	-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<u>'</u>
			, -2	13°01
-	(3XD)+(4XI) = (2X3X3)+(0x3)+(1X	(3+9)+7	13
	3n+4 = 18+0+1	7.1		2.
1	,0,0,1		2	
	3n+4 = 9	7	6+7	-C1
	3n+4-4 = 19-4 n	5		02
1	130 = 15.5		-2	-
	3, 3 (2mrks)			(3mrks)

32. The table below shows how adverts are charged in a news paper per week.

BLACK AND WHITE	FUL COLOUR
1,145,300/=	1,7\0,000/=
572,650/=	875,000/=
286,000/=	438,100/=
1,140,000/=	1,631,000/=
280,000/=	610,000/=
	1,145,300/= 572,650/= 286,000/= 1,140,000/=

What would be the cost of advertising a full pagein black and white for 3 weeks?

(4mrks)

END