## WAKISO DISTRICT JOINT EXAMINATIONS BOARD

(WAKISO MAIN, KIRA, MAKINDYE AND NANSANA MUNICIPALITY)

### PRIMARY SEVEN INTERNAL ASSESSMENT

2024

#### **MATHEMATICS**

Time Allowed: 2 hours 30 minutes

Index No.	Random No.	Personal No.				
Candidate's Name:	075676581	66				
Candidate's signature	2:	$C \setminus$	****			
School Name:	\ \	Solonga	*****			
District/Municipality:	Johnson.					

# DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO 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. Answer all questions. All the working for both sections A and B must be shown in spaces provided.
- All working must be done using a blue or black ball point pen or ink. Any work done in pencil other than graphs and diagrams will not be marked.
- 6. No calculators are allowed in the examination room.
- Unnecessary changes and crossings in your work and handwriting that cannot easily be read may lead to loss of marks.
- 8. Do not write anything in the boxes indicated "For examiners' use only"
- 9. Write your name on all pages.

	USE ONLY
FOR E	XAMINERS'

F	FOR EXAMINE USE ONLY	
Qn. No	Marks	EXR'S NO.
1-5		
6-10		100
11-15		
16-20	1.	
21-22	- 1	WAR DE
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

ORGANISED AND PUBLISHED BY:

WA.D.E.B

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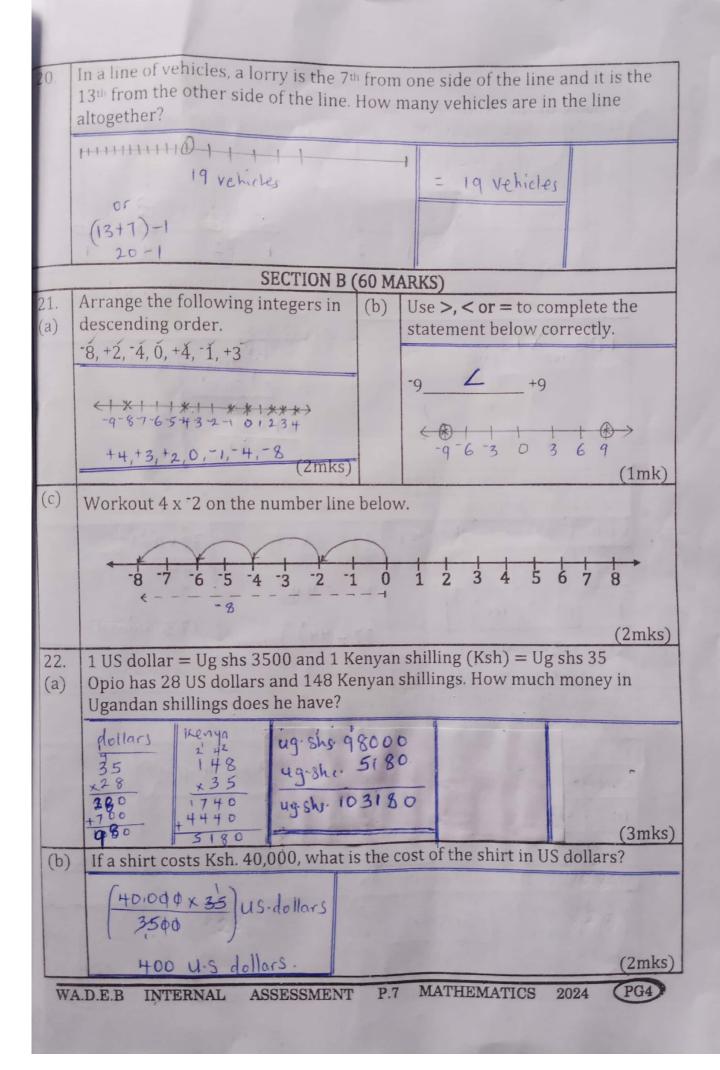
#### SECTION A (40 MARKS)

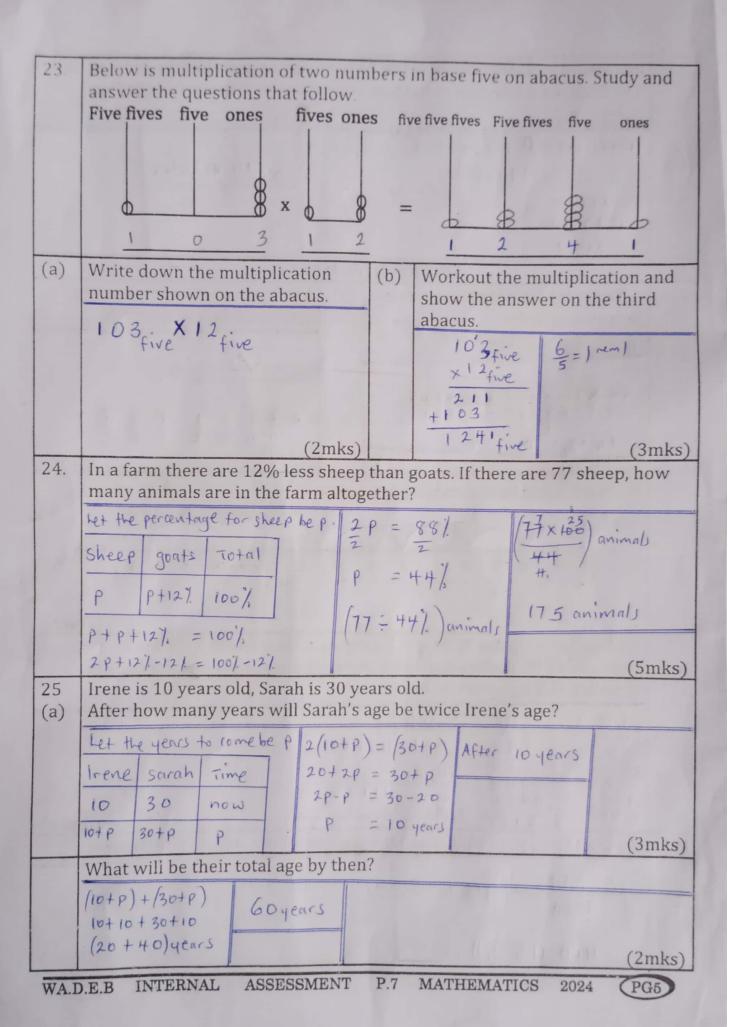
	SECTION A (4	FO IVIA	KK3)
1.	Work out: $12 \div 3$ $\frac{12}{3} = 4$	2.	Express CXLV in Hindu Arabic numerals. $C \rightarrow 100$ $10$
3.	In the diagram below, shade only the region that represents K.	4.	Write in figures: Two and two thousandths.  Two $\Rightarrow 2$ Two thousandths $\Rightarrow 0.002$ $\Rightarrow 2.000$ $\Rightarrow 2.000$ $\Rightarrow 2.000$
5.	7cm = 10cm = =	TIFY 24×7 11×	//
6.	Find the next two numbers in the second 22, 20, 17, 15, 12,	1	1-13=-12
7.	In a dairy, the cost of a litre of milk What was the percentage decrease  Shs. 3000 Shs. 2400 Shs. 600	?	ased from shs. 3,000 to shs. 2,400.
8.	Workout: $2121 \div 7$ $\frac{312+}{7} = 303$ 303		

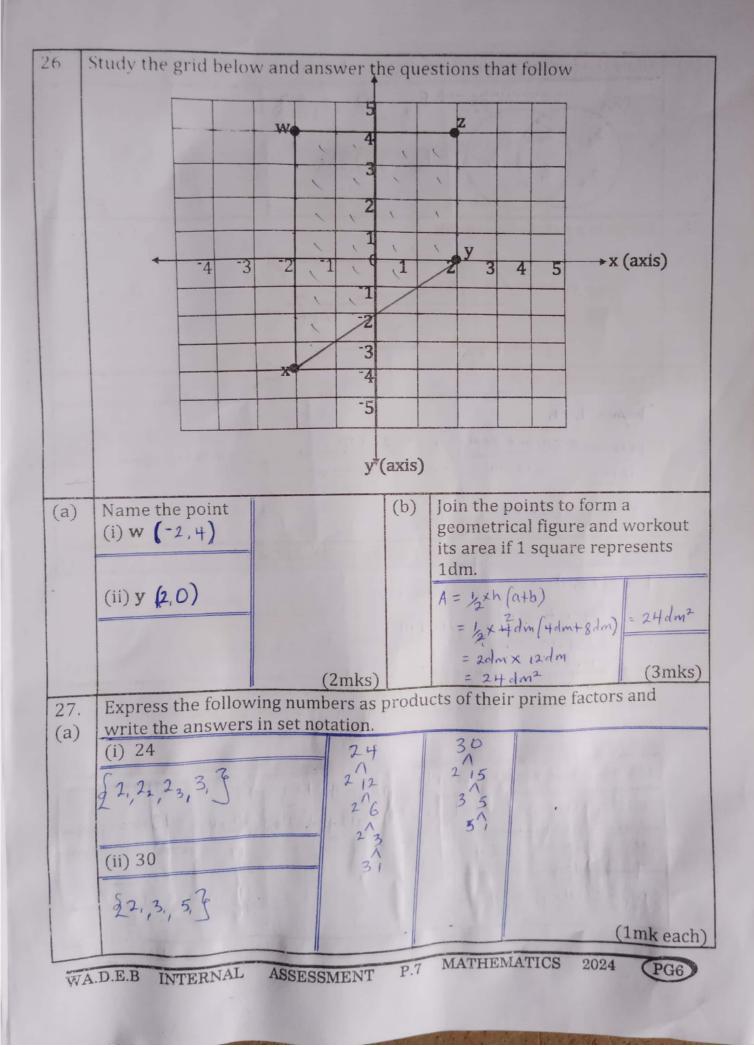
WA.D.E.B INTERNAL ASSESSMENT P.7 MATHEMATICS 2024

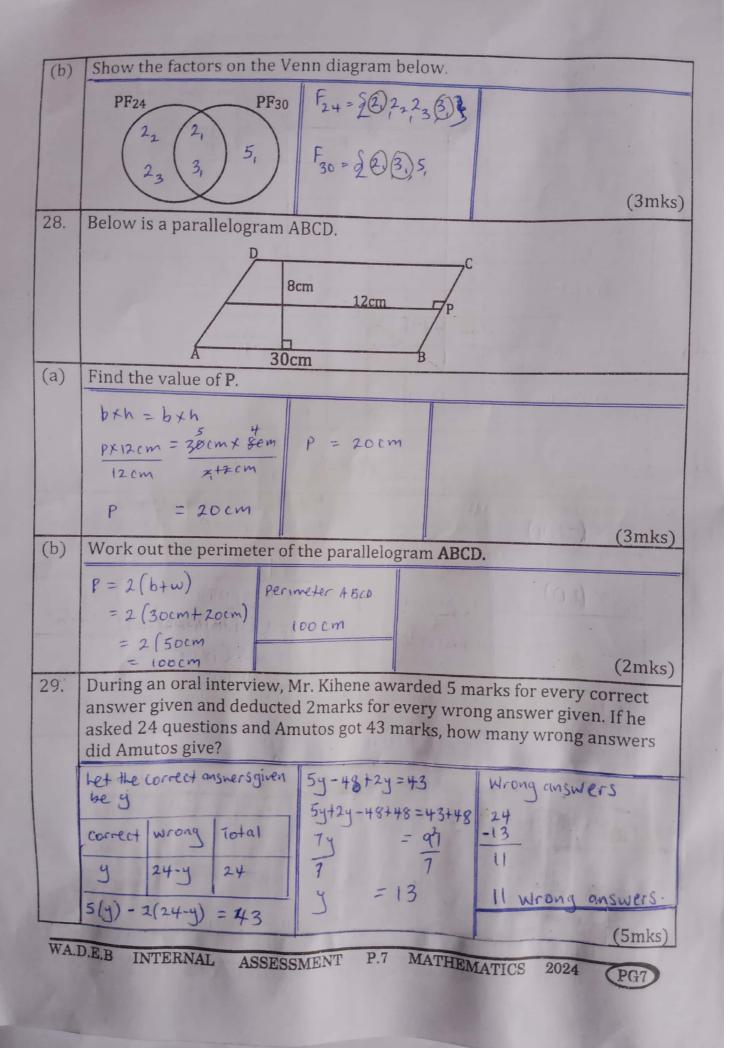
9.	A school has 11 male teachers and 7 female teachers. What is the probability of a female teacher chairing a staff meeting?  Total teachers  11+7 = 18 teachers  probability = 7 18	10 Solve: $4(5p-8)=48$ $4(5p-8)=48$ $20p-32=48$ $20p-32+32=48+32$ $20p=80$ $20$ $p=4$
11.	(give time in 12 hour clock system)  Hours minutes 2:30 pm  16	
12.	2 30  Write 0.049 in standard form.  0.049 0.049 X 10 0.49 X 10	
13.	A money lender gives a simple interinterest on shs. 161,000 for 4 days?  Interest = $P \times R \times T$ = $Shs \cdot 161000 \times 9 \times 9 \times 4$ $10000 \times 9 \times 9 \times 7$	
WAT	shs- 3280	828
1121.1	D.E.B INTERNAL ASSESSMENT	P.7 MATHEMATICS 2024 PG2

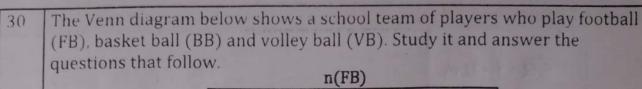
The exterior angle of a polygon is 72°, name the polygon.			Find the mean of (7p - 4), 19 and 2p		
Number of sides = 3601 72 75 side Regular Pentagon			3	30+5	
The number of proper	r subsets in se	et <b>K</b> is	63. Find n(k)		
$2^{n}-1 = 63$ $2^{n}-1+1 = 63+1$		*****	64 2/32 2/16 2/8 = 26 2/4 2/4		
THE RESIDENCE OF THE PARTY OF T			only, construct a	n angle of 105º	
Piose	*		hrep-p	0 + 9 × 0	
Work out the product of the 5 <sup>th</sup> and the 8 <sup>th</sup> composite number.		19.	Woon woo it 114	hich month of the months ago?	
4,6,8,9(0)12,14(13) 10×15=150 =150	16,18,20,21		July Stands for 7  7-114 = - (finite  Etpress 114 in finite  4 = 9 rem 2  7 (2x3)	e 12) The month was the 12 January	
	Number of sides = 3601  72°, name the polygon  Number of sides = 3601  72°  2 = 55 ide  Regular Pentagon  The number of proper  Proper subsets = 2°-1  2°-1 = 63  2°-141 = 63+1  2° = 64  Using a sharp pencil, a in the space provided  Work out the product and the 8th composite  4,6,8,9(0)12,14(13)	The number of proper subsets in so Proper Subsets = $2^{n}-1$ $2^{n}=2^{6}$ Work out the product of the 5th and the 8th composite number.  Work of Sides = $360^{1}$ $72^{0}$ Regular Pentagon  The number of proper subsets in so Proper Subsets = $2^{n}-1$ $2^{n}=2^{6}$ $2^{n}-1=63$ $n=6$ $2^{n}-1=63+1$ $n(k)=6$ Using a sharp pencil, a pair of compliant the space provided below.  Work out the product of the 5th and the 8th composite number.  4,6,8,9(0)12,14(15)16,18,20,21	Number of sides = $\frac{360!}{72!}$ = $3$	72°, name the polygon.  Number of sides = $\frac{366}{72^{2}}$ = $\frac{5}{3}$ The number of proper subsets in set K is 63. Find n(k)  Proper Subsets = $\frac{2^{n}-1}{2^{n}}$ = $\frac{6}{3}$ $\frac{2^{n}-1}{2^{n}}$ = $\frac{6}{3}$ Using a sharp pencil, a pair of compasses only, construct at in the space provided below.  Work out the product of the 5th and the 8th composite number.  H, 6, 8, 9(10) 12, 14(15) 16, 18, 20, 21 $\frac{2^{n}}{3}$ 19. It is July now, where $\frac{2^{n}-1}{3}$ $\frac{1}{3}$ $\frac{1}$	

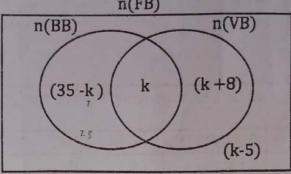


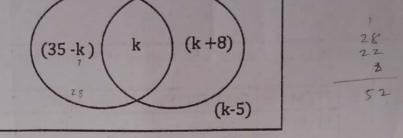


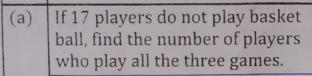




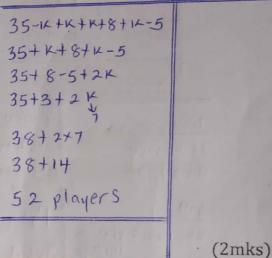




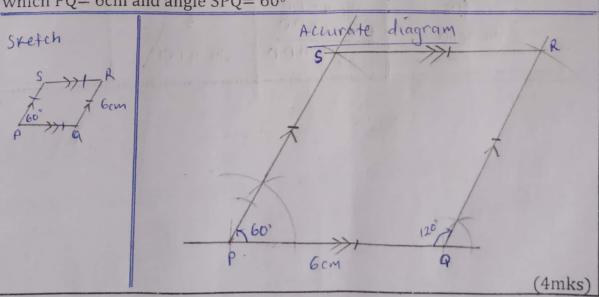




$$K+8+K-5=17$$
 $K+K+8-5=17$ 
 $2K+3-3=17-3$ 
 $2K=\frac{14}{2}$ 
 $K=\frac{14}{2}$ 
 $K=\frac{14}{2}$ 
 $K=\frac{14}{2}$ 



(3mks) Using a ruler and a pair of compasses only, construct a rhombus PQRS in 31. which  $\overline{PQ}$  = 6cm and angle SPQ = 60°



INTERNAL ASSESSMENT P.7 MATHEMATICS WA.D.E.B

(b)	Me	asure diag	gonal	SQ.				
		5Q = 6.	2cm				(1mk)	
32.	Bel	ow is Tr.	Kapis	a's shoppin	g list.	Study and con	nplete it correctly.	
	ITEM O			ANTITY UNIT		COST	AMOUNT	
		Milk	-	tres	Shs. 1200 Shs 3000		Shs. 2400 Shs. 1500	
	17	Salt	500	)gm				
		Posho	12	1/2 kg		3000	Shs. 4500	
		Soap	3 ba	ars Sh		4000	Shs. 12000	
			TOTAL EXPENDITU			RE	Shs. 20,400	
	Mik  2+shs 1200  shs 2+00  Salt  Shs 1500 = 500 gm  Total  Shs 3000  Shs 3000  Shs 450  Shs 450  Shs 450  Shs 450  Shs 8 L			Soap Shs. 2048 - Shs. 840 Shs. 1200 Unit cost Shs. 12000	00			
			Shy: 4500 4 Shy: 1500 Shy: 8 400		3 = 8hs. 4000	(5mks)		