

PRIMARY SEVEN MATHEMATICS PRE-PLE SET I (ONE) 2024

Time Allowed: 2 Hours 30 Minutes

Candidate's Name:_	,		
Candidate's Signatu	re:		
District ID No.		-	

Read the following instructions carefully.

Random No.

- This paper has two sections: A and B. Section A has 20 questions (40marks) and section B has 12 questions (60marks).
- 2. All the working for both sections A and B must be shown in the spaces provided.
- 3. 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.
- No calculators are allowed in the examination room.
- Unnecessary changes of work may lead to loss of marks.
- 6. Any handwriting that cannot be easily read may lead to loss of marks.
- 7. Do not fill anything in the boxes indicated: "For Examiner's Use Only" and those inside the question paper.

"FOR EXAMINER'S USE ONLY"				
Qn. No.	MARKS	EXR'S NO.		
1-5				
6 – 10				
11 - 15				
16 - 20				
21 - 22				
23 - 24				
25 - 26				
27 – 28	20 12 2			
29 - 30				
31 - 32	18 JU	4 4		
TOTAL		Į v		

Personal No.

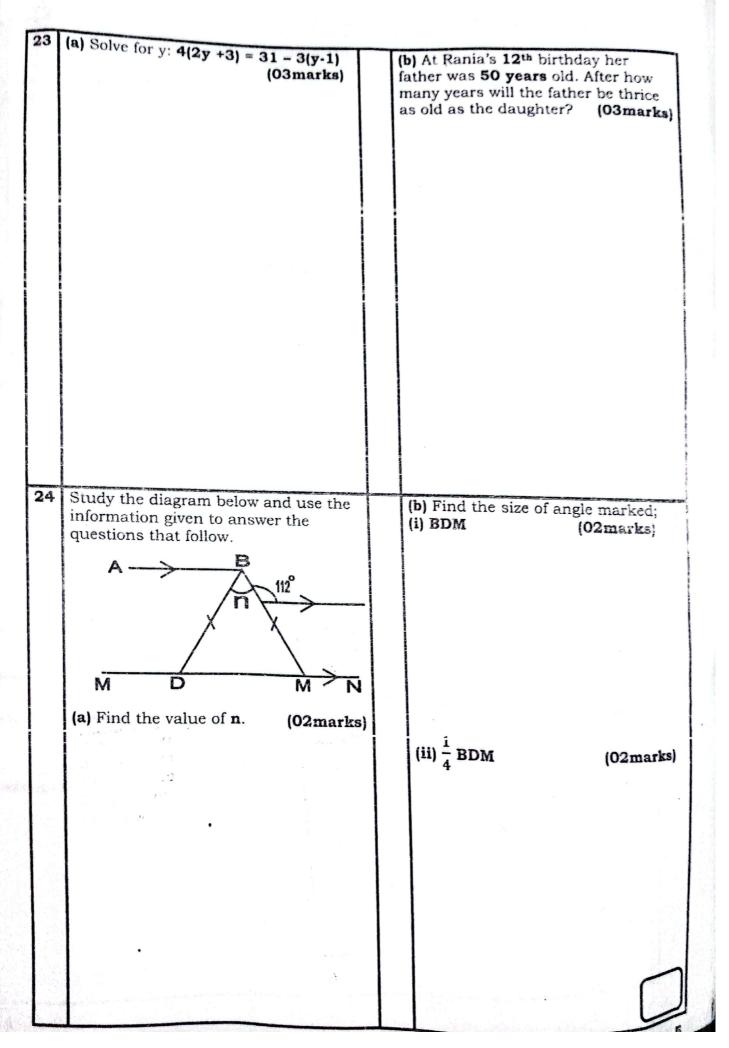
PREPARED BY,

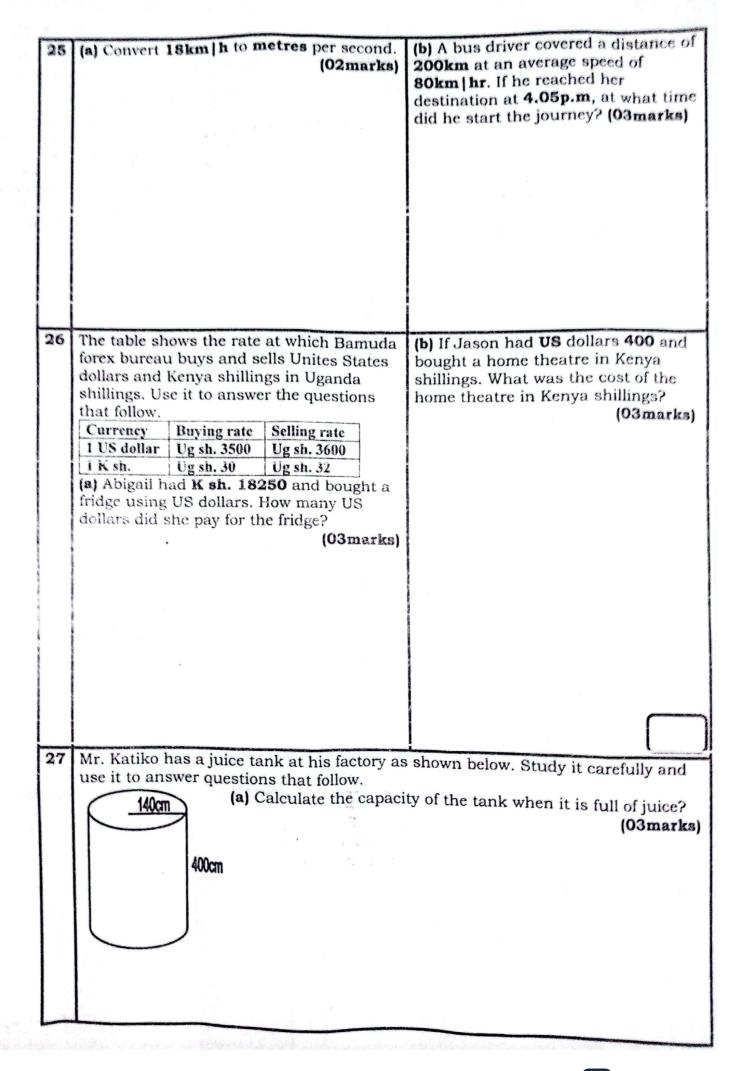


- Commons	SECTION A.	MARKS)	
1.	Workout: 405 - 289	6,	Express 0.1777777 as a constant fraction.
2.			
2.	Write 490.092 in words	7.	Precious slept at 10.15p.m and walked up after 2 hours and 40 minutes. What time did she wake up in 24-hour clock system?
3.	Simplify: 7mn - 7m - n - mn + m	8.	The temperature in Nevada at 7.00a.m was 6%. It increased to 40c. What was the increase in temperature?
4.	Give D = { 4 , 0 , 5 , 8 }. List all proper subsets of D .	9.	Use tallies to represent the quotient of 36 and 3.
5.	Find the square root of the next number in the sequence. 36, 49, 64, 81,	10	Study the diagram below and describe the shaded region.

NAME OF TAXABLE PARTY.			
11	A sachet of gorillos weighed 12mg. What is its mass in decagrams?	15	Using a ruler, pencil and a pair of compasses only construct the complementary angle of 75 °.
12	If today is a Tuesday , what day of the week will it be 48days after tomorrow?	16	In a P.7 class, the ratio of girls to boys is 5:3. If there 24 boys. Find the number of girls in P.7.
13	Find the sum of 679 and the smallest 3 digit number formed using digits 6 , 0 , 8	17	Express 0.00643 in standard form.
14	Raymond exercises 12 days and Moses every 8 days. Raymond and Moses both exercised today. How many days will it be until they exercise together again?	18	A canteen attendant bought 2 dozens of rulers at sh. 24,000. She sold each ruler at sh. 1500. How much profit did she make?

19	A car covered a distance of 880cm in four revolutions. Calculate the diameter of the car wheel. (take $\pi^{\frac{22}{7}}$	20	In a basket of apples, 12% of them are rotten and 66 are in good condition. Find the total number of apples in the basket.
	SECTION B	. (6	OMARKS)
21	At a graduation party, 32 people like Rice only, y people liked both rice (R) and matooke (M), (2y-10) people like matooke but not rice, while (y-2) do not like any of the two foods. (a) Use the information above to complete the venn diagram below. (03marks) M R	BAL DER BARRET (* STEATER PRESENTE FEBRUARE STEATER BESTEATER STEATER STEAT	(b) Given that those who like Matooke only are more than those who like Rice only by 38, find the value of y. (02marks)
22	A trader borrowed money from centenary at an interest rate of 10% per annum for 2 years. (a) How much did he borrow if he paid an interest of sh. 84,000? (02 mark	n	(b) Calculate the amount he paid after 2 years. (02marks





	(b) If juice from the tank is packed in 20litre jerrycans for selling, find the number of jerrycans which were obtained from the juice tank? (02marks)					
28	(a) Convert 223four to base	six.	T	(b) Workout	123 _{five} x 23	Зпуе
		(03marks)		(0)		(02marks)
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				4		
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				p		
-						
29	The venn diagram below s			(b) Find the	HCF of N	(03marks)
	prime factors of N and 90	. (UDMarks)				
	PFN	PF90				
	2 3 1	32				
	$\begin{pmatrix} 2_2 & \begin{pmatrix} 3_1 & W \end{pmatrix} \end{pmatrix}$				•	
	2_1					
			St. F. Colombia			,
	(a) Find the value of W.	(02marks)				
			1			4
	- 2.5 Standard			,		
-	Candidates sat fo a math	amating test	and I	performed as	shown on	the table below.
3	Number of candidates	1111	1	11	- 111	
	Number of candidates	////		1/	///	
	Marks scored	60	90	40	m	
	(a) How many candidates	s sat for the	est?			(01mark)
	(a) now many candidates	- Maria Maria				*
	•					
Ι						

(b) If the mean mark was 50, find the value of m.	(02marks)
1	
1	
(c) How many candidates scored above the average mark?	(01mark)
Below is a number line, study it carefully and answer the q	uestions that follow.
- B	
-7 -6 -5 -4 -3 -2 -1 O +1 +2 +3 +4	•
(a) Name the integer represented by arrow.	
	(01mark each)
(ii) a (iii) c	
(b) Write down the mathematical sentence shown on the given	
	(01mark)
1 (a) Using a ruler, a pencil and a pair of compasses only, con EFGH where line EF=6.5cm, and line FG=4.5cm	
EFGH where line EF=6.5cm, and line FG=4.5cm.	nstruct a rectangle (04marks)
	,
1	
	i ()
	A COLOR STATE OF THE STATE OF
(b) Join E to G and measure angle GEH.	40-2
	(01mark)
	-END-