PLE MOCK EXAMINATION 2024

SUBJECT: MATHEMATICS

CLASS : P.7

DURATION: 2 HOURS 30 MINUTES

TARGET
MARK

Index No.

	R	ando	m N	0.	Pers	onal	No.

Candidate's Name
Candidate's Signature
EMIS No.
District Name

Read the following instructions carefully

- This paper has two Sections: A and B.
- 2. Section **A** has 20 answer questions (40 marks)
- 3. Section **B** has 12 questions (60 marks)
- 4. Answer **ALL** questions. Answers to both sections must be written in the spaces provided.
- 5. All answers must be written using a blue ballpoint pen or ink Diagrams should be drawn in pencil.
- 6. Unnecessary alteration of work may lead to loss of marks.
- 7. Any handwriting that cannot be easily read may lead to loss of marks.
- 8. Do not fill anything in the box indicated for examiner's use only.

FOR EXAMINERS USE					
ONLY					
QN.	MARK				
NO.					
1 - 10					
11 - 20					
21 - 22					
23 – 24					
25 – 26					
27 – 28					
29 – 30					
31 – 32					
TOTAL					

SECTION A (40 Marks)

		•	-
1.	Work out: 595 – 373	6	The cost of ½ kg of posho is sh. 1200. What will be the cost of 6 ¾ kg of posho?
2	Write 407. 32 in words without using the word point.	7	Using a ruler, a well sharpened pencil, construct angle of 105 ⁰
3	Solve: <u>3</u> m ² = 12 4	8	Given that set K = {All composite numbers less than 12. How many subsest can be obtained from k?
4	Find the range of the next two numbers in the sequence: 8, 10, 15, 17, 22, 24,,	9	Job travelled from Iganda to Malaba a distance of 120km at a speed of 40km/h. If he left Iganga at 8:00a.m, at what time did he arrive at Kisoro?
5	Find the value of angle y	10	The mean of a (a-1) and (a-2) is 5. Find the value of a .

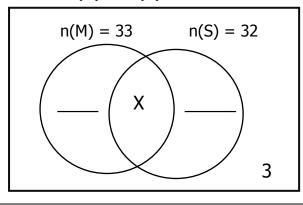
11	Find the multiplicative inverse of 0.3.	16	Sarah is facing East. What will be her new direction if she turns anti clockwise through an angle 225 ^{0?}
12	In a class, the probability of picking a boy child to be a class monitor is 4/7. If the class has 56 pupils how many girls are in the class?	17	Work out: 2 ÷ 5 =(mod9)
13	The median of 5 consecutive integers is -3, find their range.	18	What base four numeral is equivalent to 58 ten?
14	Express 0045 hours in a 12 hour clock system.	19	Given that F48 = $\{2_1, 2_2, 2_3, 2_4, x\}$. Find the value of x.
15	Find the perimeter of the figure below. 21cm	20	Allan planted 20 trees at intervals of 0.5m along a straight line. How long was the line?
	Se	ectio	n

In a class of 60 pupils, 33 like Mathematics (M) and 32 like Science(S). Given that each pupil likes English, study and complete the venn diagram the venn diagram below.

a.

$$N(\varepsilon) = n(E) = 60$$

(2mks)



b) Find the value of x.

(2mks)

c) How many pupils like only two subjects?

(1mk)

22 Write a single number whose standard form is 8.02 X 10⁻³

a. (2mks)

b. Fill in the missing values in the table in base five. (1mk)

+	2	1	4
2	4		
1	3	2	
3		4	

23 Simplity

a.
$$\begin{vmatrix} 2 \div 1 \\ 3 & 4 \end{vmatrix} + (1 - 2)$$

(3mks)

Tap X can fill a tank in 6 minutes and tap Y can fill the same tank in 8 minutes. b. If the two taps fill 2100 litres in one minute, find the capacity of the tank.

(2mks)

24

Find the number for the expansion below.
$$(3 \times 10^2) + (4 \times 10^1) + (2 \times 10^0) + (5 \times 10^{-2}) + (7 \times 10^{-3})$$

(2mks)

Find the quotient of the values of 4 and 5 in number in (a) above. b.

(2mks)

Write the above number in (a) in words. c.

(1mk)

Use a numberline to work out : -6 - +4 25

(2mks)

b.		ajok went to London on F e same year. On which d		•			
					(2mks)		
C.	A teacher placed books in groups of 9 and 7 books remained. When he put them in groups of 8 only 4 books were left. When he put them in groups of 3 only one book remained. How many books did he have? (2mks)						
26		e table below shows the	_	_	hich different		
	cu	rrencies are bought and			ı		
		Currency	Buying	Selling			
		Us dollar (\$)	Ush. 3600	Ugsh 3650			
		Pound sterling (€)	Ush. 4050	Ush. 4200			
		Kenya shillings (Ksh)	Ush 36	Ush 37			
a.	Но	w many dollars will a bu	siness get from	n Ugsh 730,000	(2mks)		
b.		tourist has Ksh 28000, horeau?	ow many pound	d sterling will th			
					(3mks)		
27	Th	e mean of four consecut	ive odd numbe	ers is 12. Find th	ne numbers (3mks)		
					(3mks)		

b.	Find their range. (1mk)
28	Express 30mls as km/h
	(2mks)
b.	A bus covered 120km in 2 hours from Kampala to Hoima. It made a stopover in Hoima for 1 ½ hours and later continued to Masindi for 2 ½ hours covering a distance of 180km. calculate the average speed from Kamapla to Masindi.
	(2mks)
29	Find the area of the shaded part in the figure below. (4mks)
	14cm
30	A GAGA bus left Soroti for Mable on a bearing of 090° it covered a distance of 60km then chnaged its direction on a bearing of 120° for 45km before reaching Tororo.
а	Draw a sketch diagram to show the bus' journey.
	(2mks)

b. Using a scale of 1cm to represent 10km, draw an accurate diagram to show the whole journey.

(3mks)

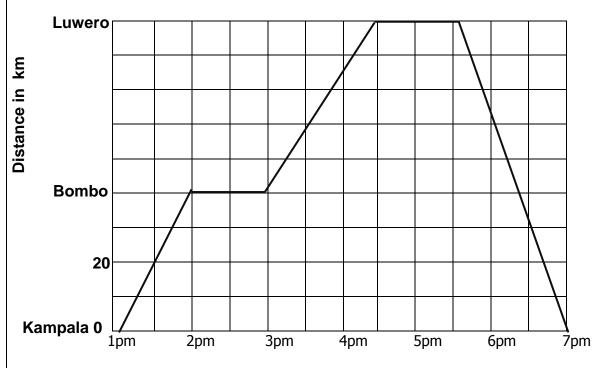
31 Solve for y 4(y-2) - 3(y+1) = 0

(2mks)

b) A book costs twice as much as a pen and a geometry set costs sh. 1800 more than a book. If the total cost of all the three items is Ugsh. 7800. Find the cost of each item.

(3mks)

The graph below shows a cyclists journey from Kampala to Luwero through Bombo and back to Kampala.



a.	State the scale on the vertcal axis. (1mk)	
b.	How long did the cyclist take to travel from Bombo to Luwero?	(1mk)
C.	How far is Luwero from Bombo?	(1mk)
d.	Calculate the average speed for the whole journey.	(2.1.)
		(2mks)

End