## CENTENARY EDUCATIONAL CONSULT P.L.E PREPARATION - 2024



## PRIMARY SEVEN MATHEMATICS

Time Allowed: 2 hours 30 minutes

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Candidate's Name

_	Random No.	<u> </u>	Personal No.
		-	1954

	*************		
School Name:			
School Emis No:			
Candidate's Signature:	41	Y.	\
Read the following instructions carefully:	61		s to hi can
<ol> <li>Section A has 20 questions (40 marks)</li> <li>Section B has 12 question (60 marks)</li> </ol>	100000000000000000000000000000000000000	EXAMINUSE ONL	
Attempt ALL questions.	Qn. No.	MARKS	EXR'S NO.
All answers to both sections A and B	1 – 10	15	
must be written in the spaces provided.	11 – 20		BUT BUT THE
3. All answers MUST be written using blue	21 – 22	i zal	000
or black ball - point pen or ink. Diagrams	23 – 24		
should be drawn in pencil.	25 – 26		7
4. Unnecessary changes of work may lead to	27 – 28	4000	7
loss of marks.	29 – 30		in a long
<ol> <li>Any handwriting that cannot easily be read may lead to loss of marks.</li> </ol>	31 – 32	El son	the resident
The state of the s	100000000000000000000000000000000000000		-

Prepared by, Centenary Educational Consult (Kampala) Tel: 0700577551 / 0771954103

Do not fill anything in the boxes indicated

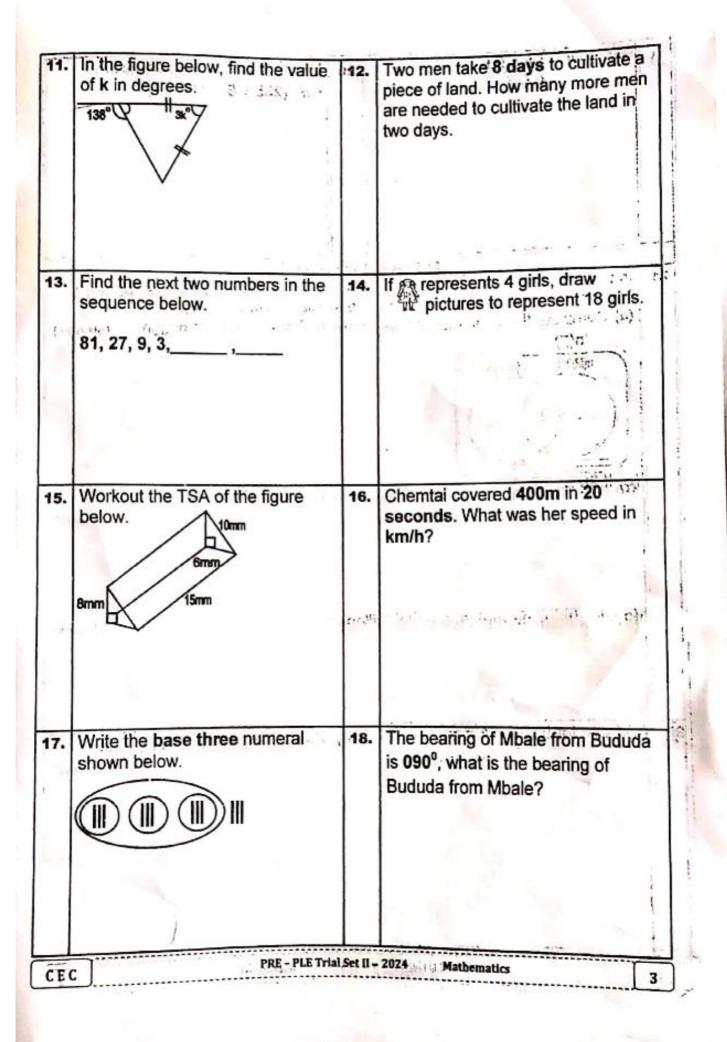
"For examiner's use only".

Prepared by, Centendry

Pre - PLE Trial Set II - 2024 Mathematics

TOTAL

-	Workout: 25 x 4	2.	Write LXXIV in Hindu – Arabic
•		5.	numerals.
	LINE LINE		100
	EMATICS		62 M
3.	Given that set k = {composite numbers less than 10}. Find number of subsets in set k.	4.	Write 14,040 in words.
-			Candlean Hanse
			Constitution of the second
5.	Express the morning time shown on the clock face below in 24 hour clock.		Simplify: "3 + "5
		- 2	THE SECOND OF THE SECOND SECON
7.	Harriet bought a hen and sold it at sh.18000 making a profit of sh.3000, find her percentage profit.	8.	thousands.
			Mariana materia
			A M RESIDENCE CO. T. C.
9.	Workout: 8 + 1 using LCM.	10	Subtract 4x - 2y from 6x - 2y.
			The tip the training
		1	Constitution of the second
	The state of the s	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

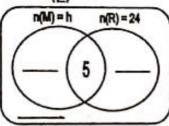


19.	Workout:	1.6 x 0.6 0.048
	- Imple	

Out: (235 ÷ 5) – (55 ÷ 5)

SECTION B (60 Marks)

- In a certain village, 24 farmers grow Rice (R), (h) farmers grow Maize (M) and 5 farmers grow both types of crops. If (h -3) farmers grow other crops.
  - (a) Complete the venn diagram below using the above information. (3marks)
     n(Σ)



(b) If 26 farmers did not grow Rice at all, how many farmers grow maize?
(2marks)

(c) How many farmers are in that village?

(1mark)

(b) Convert 104<sub>five</sub> to ternary base.
(3marks)

CEC

PRE - PLE Trial Set II - 2024

Mathematics

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	The median of 4	consecutive ever	numbers is 26, if the		el ·
11	(a) Find the nur	nbers.	Tidinbels is 26, if the	ie last humber is 2p.	i.e.
				W = By 3	(3marks
					16.003
	30				
	(b) Write the sr	nallest number in	standard form		
			otarida di jojili.		(2marks
	give and the same				
	E.			15	
4	Mummy went t	o the market with	2 notes of ten the	ousand shillings e	
	bought the iter	ns shown on the t	able below After n	aying for all the iter	ach an
	remained with	sh.1,400. Comple	ete the table	aying for all the iter	
	ITEMS	QUANTITY	UNIT COST	AMOUNT	(5marks
	Groundnuts	2½kg	Sh.	Sh.10,000	-
	Millet	1750gms	Sh.3,000	Sh	-
	Salt	gms	Sh.1,400		301
	Milk	2litres		Sh.350	5
		CALL STATE OF THE	Sh	Sh	d Brown
		PENINITIE		Ch	
-	TOTALEX	14 14 14	AND OLD SEE	Sh	1 . 4
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25.	Mr. Omondi sp fees. If he save	ent 1 of his salary	to be an interned at the second of the secon	and 1 of the remainstrance.	nder or

26.	Using a ruler, a pair of compasses and a pencil only.  (a) Construct triangle BED where line BE = 7.5cm, angle EBD = 6 angle EDB = 75°	0 <sup>th</sup> and (4morks
	and;	
		207
	and the second s	
	(b) Measure line ED.	(1mark)
27.	A motorist left Town P at 9:30a.m driving at a speed of 40km/h for to Town Q where he rested for 30minutes. He then continued to T distance of 70km at a constant speed of 35km/h.  (a) Workout his average speed while travelling.	1½hours own R (3marks)
	program with a market back to the second second as	D Ma
	and he much Town R	(2marks)
	(b) At what time did he reach Town R.	
-		
	Total for II - 2026 Mathematics	T 6

28. Below is a flower garden. Study it carefully and answer the questions that follow.



(a) Calculate the amount of space occupied by the garden  $(\pi = \frac{22}{7})$  (3marks)

(b) If a farmer fenced the flower garden using poles placed at intervals of 6m apart, how much did he spend on all the poles used at a cost of 1500 per pole?

(3marks)

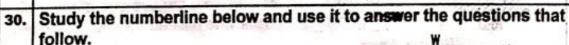
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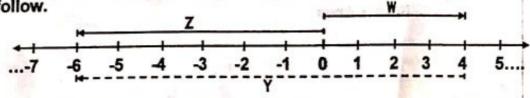
Contracting and the second of the general

29. The interior and exterior angles of a regular polygon are in the ratio of 3:1 respectively.

spin whom to be a resident do not dry. To be a facility of many

(a) Find the size of each interior angle. (b) Name the polygon. (2marks)





(i) Write the integers represented by letters.

Z= (1mark each)

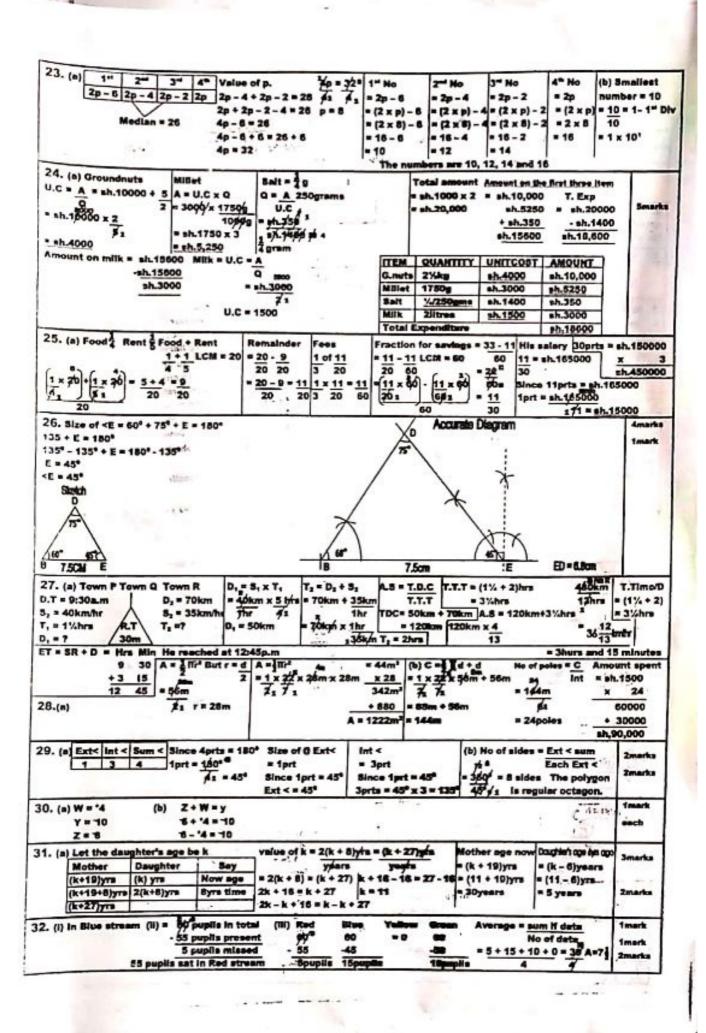
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What is the mathematical statement shown above? some sett samens ham vindents is usually rigined regard to to Calculate the country of training of A mother is 19years older than her Daughter. In 8years time, the mother will be twice as old as her Daughter. (a) How old is the mother? (3marks) (b) What was the age of the daughter 6 years ago? (2marks) The Histogram below shows the number of pupils who sat for End of Term Exams in a P.6 class with 60 pupils per stream. Study it carefully and answer the questions that follow. (a) In which stream did the highest number of pupils miss exams? (1mark) (b) How many pupils sat for Exams in stream Red? (1mark) (c) Calculate the average number of pupils who missed Exams. (2marks) Name of stream Mathematics CEC

CENTENARY EDUCATIONAL CONSULT.

P.7 MATHS P.L.E PREPAR	TONAMO	dark t	MARKS
201 IITION	MARKS	SOLUTION	
1. 25		2. LXX - 70	2marks
* 4	2 merks	I IV = +4	
100		LXXIV = 74	
3. h = (4, 0, 0, 0) - 2"		4. 14000 = Fourteen thousand	2marks
n(k) = 4 = 2 × 2 × 2 × 2	2marks	+ 40 = Forty	
No of subsets = 2" = 4 × 4 = 16 subsets		14,040 = Fourteen Thousand Forty	
5. 12:30a.m = 12:30a.m		6. 3+(8) To to	2marks
- 12:00 hours 12:30e.m = 0030hours	2marks	*3-5	1
0030 hours		# B B None	
		B 18000	
7. n.P = 3.P - P Spront = [p x 100] = [ph.5000 x 100]	2marks	O. TIN IN IN I	2merks
sh. 18000 B.P	amarno.	1 8/0 9 8 + 0000	100
- sh.3000		18,098 Q18000	
sh.15000 = 20%			
0. 0 + 11 - (0 x 1 p) + (4 x 2 p) - p = - 2	2marks	10. = (ax - 2y) - (4x - 2y)	2marks
$\frac{0.0}{9} + \frac{1}{3} = \frac{0}{9} \times \frac{19}{9} + \frac{14}{3} \times \frac{19}{9} = \frac{1}{12} = \frac{2}{3}$	1	=6:-2y-4:+2y	
1 4 4		= 6 : - 4 : + 2y - 2y	1.00
3 - LCM - 9		*21	10000
11. Value of k 3k = 98 138 + m = 180	12. Me	Days More men Days	2mark
12" + 42" + 3k = 180" 3, 3, 138" - 138"+m = 180"-138"	2 men =	8 days = (8 - 2)men 3 day = 2 men	
14" + 34 = 180" k = 32" m = 42" TE'V = Q'NY	1 men =	4 day # (2 K 0) fire.	1
14" + 3h = 180" - 84"	= 16 day		1
1k = 96°	2days =	16 m 8 men	
A		2	
13. 81. 27. 9. 3. 1. 1/2		14. 4 girls = 1 picto	2mark
'5' (''X'X'X'X'X'	2marks	1 girl = 1 picto 18 girls = (1 x 14) = 41/2 picto	1
*3 *3 *3 *3 *3		4 00000000	1
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%×%×% ×%×%		September 6	_
	16. Dist	ance in km Time in hours Distance in km/hr	_
15. T.R.A. 2 10h + LCS, + 3, + 5,	16. Dist	ance in km Time in hours  Distance in km/hr  DOOM 3600secs = thr  3 = D × T	
15. T.S.A = 2   bh + LCS, + S, + S, 2 x 1 X 5mm x 10mm+ 15mm (6+6+10)mm	1km = 1	ance in km Time in hours  Distance in km/hr  DOOM 3600secs = thr  ten 1sec = 1 hr Ax 3600 km	
15. T.S.A = 2   bh + LCS, + 3, + 5, 2 x 1 X 5mm x 10mm+ 15mm (6+6+10)mm	1km = 1	ance in km Time in hours  500m 3600secs = thr  1 sec = 1 hr  100 m 1sec = 1 hr  100 m 1sec = 1 hr	
15. T.S.A = 2   bh + LC3, + 3, + 5, 2 x 1 X 5mm x 10mm+ 15mm (6+8+10)mm   X   X 5mm x 10mm+ 15mm (6+8+10)mm	1km = 1 1m = 20 400m =	Distance in km   Time in hours   Distance in km/hr   Distance in	
15. T.S.A = 2   bh + LC3, + 3, + 5, 2 x 1 X 5mm x 10mm+ 15mm (6+6+10)mm 7 x 60mm <sup>1</sup> + 15 x 24mm <sup>1</sup> 60mm <sup>1</sup> + 360mm <sup>1</sup>	1km = 1 1m = 200 400m =	ance in km Time in hours  3600secs = 1hr  3600secs = 1hr  1sec = 1 hr  3600 km  1000	
15. T.S.A = 2   bh + LCS, + S, + S, 2 x 1 X 5mm x 10mm+ 15mm (6+6+10)mm	1km = 1 1m = 100 400m =	Distance in km Time in hours   Distance in km/hr	4
15. T.S.A = 2 15h + LC3, + 3, + 5,  x 1 X 5mm x 10mm+ 15mm (6+6+10)mm  x 1 X 5mm x 10mm+ 15mm (6+6+10)mm  50mm <sup>1</sup> + 15 x 24mm <sup>1</sup> 60mm <sup>1</sup> + 360mm <sup>1</sup> 420mm <sup>1</sup>	1km = 1 1m = 200 400m =	Distance in km   Time in hours   Distance in km/hr	2mark
15. T.B.A = 2 th + LC3, + 3, + 5, 2 x 1 X 5mm x 10mm+ 15mm (6+8+10)mm 2 x 1 X 5mm x 10mm+ 15mm (6+8+10)mm 2 x 1 X 5mm x 10mm+ 15 x 24mm <sup>3</sup> 60mm <sup>3</sup> + 15 x 24mm <sup>3</sup> 60mm <sup>3</sup> + 360mm <sup>3</sup> 17. (III) (III) (III)	1km = 1 1m = 200 400m =	Distance in km   Time in hours   Distance in km   Dista	
15. T.S.A = 2   bh + LC3, + 3, + 5,	1km = 1 1m = 200 400m = D = 4 10	Distance in km   Time in hours   Distance in km/hr	
15. T.B.A = 2   bh + LC3, + 3, + 5, (x 1 X 5mm x 10mm+ 15mm (6+6+10)mm / 2, 60mm <sup>1</sup> + 15 x 24mm <sup>1</sup> + 60mm <sup>1</sup> + 360mm <sup>1</sup> + 360mm <sup>1</sup> + 420mm <sup>1</sup>   17.	1km = 1 1m = 200 400m = D = 4 10	Distance in km   Time in hours   Distance in km   Dista	2mert
15. T.S.A = 2   bh + LCS, + 3, + 5,	1km = 1 1m = 200 400m = D = 4 10	Distance in km   Time in hours   Distance in km   Dista	4
15. T.S.A = 2   bh + LC3, + 3, + 5,   x 1 x 5mm x 10mm+ 15mm (6+6+10)mm   x 1 x 5mm x 10mm+ 15mm (6+6+10)mm   x 1 x 50mm   x 100mm   x 1	1km = 1 1m = 200 400m = D = 4 10 2marks	Distance in km   Time in hours   Distance in km   Dista	2mert
15. T.B.A = 2 thh + LC3, + 3, + 5, (x 1 X 5mm x 10mm+ 15mm (6+8+10)mm / 2; 60mm <sup>1</sup> + 15 x 24mm <sup>1</sup> 60mm <sup>1</sup> + 360mm <sup>1</sup> + 420mm <sup>1</sup> 420mm <sup>1</sup> 17. (II) (II) (III)	1km = 1 1m = 200 400m = D = 4 10 2marks	Distance in km   Time in hours   Distance in km   Dista	2mort
5. T.B.A = 2 th + LC5, + 3, + 5, (x 1 X 5mm x 10mm + 15mm (6+8+10)mm / 2; 60mm + 15 x 24mm 1 60mm + 360mm 1 420mm 1 42	1km = 1 1m = 200 400m = D = 4 10 2marks	Distance in km   Time in hours   Distance in km   Dista	2mort
15. T.B.A = 2   bh + LC3, + 3, + 5,   (x 1 X 5mm x 10mm+ 15mm (6+8+10)mm   2;   60mm <sup>1</sup> + 15 x 24mm <sup>1</sup>   60mm <sup>1</sup> + 360mm <sup>1</sup>   420mm <sup>1</sup>   420mm <sup>1</sup>   420mm <sup>1</sup>   107 <sub>mm</sub>   107 <sub>mm</sub>   107 <sub>mm</sub>   10   1000   16 x 6 x 1006   = 20	1km = 1 1m = 200 400m = D = 4 10 2marks	18.   180°   The bearing of Bududa from + 090°   Mbale is 270°	2mari
15. T.B.A = 2   bh + LC3, + 3, + 5, (x 1 X 5mm x 10mm + 15mm (6+6+10)mm   Z   50mm + 15 x 24mm   60mm + 360mm   420mm   420mm   420mm   102   102   10   10   1000   16 x 6 x 1066   = 20   16   16   16   16   16   16   16   1	1km = 1 1m = 200 400m = D = 4 10 2marks	Distance in km   Time in hours   Distance in km   Dista	2mer
15. T.B.A = 2   bh + LC3, + 3, + 5,   x 1 X 5mm x 10mm + 15mm (6+6+10)mm   x 1 X 5mm x 10mm + 15mm (6+6+10)mm   x 1 X 5mm + 15 x 24mm   x 100mm	1km = 1 1m = 200 400m = D = 4 10 2marks 2marks	Distance in km   Time in hours   Distance in km/hr   Distance in	2mort
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5. T.B.A = 2   bh + LC3, + 3, + 3,   x 1 × 5 mm x 10mm + 15mm (6+6+10)mm   x   60mm + 15 × 24mm   60mm + 15 × 24mm   60mm + 360mm   420mm   420mm   420mm   102   10   10   10   10   10   10   1	1km = 1 1m = 200 400m = D = 4 10 2marks 2marks 100 = 34 in 17 17	Distance in km   Time in hours   Distance in km/hr	2mort
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15. T.B.A = 2 bh + LC3, + 3, + 3,  x 1 X 5mm x 10mm + 15mm (6+8+10)mm  x 5 60mm + 15 x 24mm  60mm + 15 x 24mm  60mm + 360mm  420mm  17.	1km = 1 1m = 200 400m = D = 4 10 2marks 2marks 10 2marks 10 10 2marks 10 10 10 10 10 10 10 10 10 10	Distance in km   Time in hours   Distance in km/hr	2mort
15. T.B.A = 2   bh + LC3, + 3, + 5,   x 1 x 5mm x 10mm + 15mm (6+8+10)mm   x 1 x 5mm x 10mm + 15mm (6+8+10)mm   x 1 x 5mm + 15 x 24mm   x 100mm	1km = 1 1m = 200 400m = D = 4 10 2marks 2marks 2marks 10 2marks 10 10 10 10 10 10 10 10 10 10	Distance in km   Time in hours   Distance in km/hr	2meri 2meri 3meri 1meri
15. T.B.A = 2 th + LC3, + 3, + 5,  x 1 X Series x 10mm + 15mm (6+8+10)mm  x 60mm² + 15 x 24mm²  60mm² + 360mm²  420mm²  420mm²  17. (i) (ii) (iii) (iii)  19. 16 x 6 + 48  10 10 1000  16 x 6 x 1066  20. 16 x 6 x 1066  10 10 1000  16 x 6 x 1066  21. (a) (iii)	1km = 1 1m = 200 400m = D = 4 10 2marks 2marks 2marks 10 2marks 10 10 10 10 10 10 10 10 10 10	Distance in km   Time in hours   Distance in km/hr	2meri 2meri 3meri 1meri
15. T.B.A = 2 th + LC3, + 3, + 3,  x 1 X 5mm x 10mm + 15mm (6+8+10)mm  x 5 60mm + 15 x 24mm  60mm + 15 x 24mm  17.	1km = 1 1m = 200 400m = D = 4 10 2marks 2marks 2marks 10 2marks 10 10 10 10 10 10 10 10 10 10	Distance in km   Time in hours   Distance in km/hr	2mort
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15. T.B.A = 2 thh + LC3, + 3, + 3,  (x 1 X 5mm x 10mm + 15mm (6+8+10)mm  2	1km = 1 1m = 200 400m = D = 4 10 2marks 2marks 2marks 10 2marks 10 10 10 10 10 10 10 10 10 10	Distance in km   Time in hours   Distance in km/hr	2meri 2meri 3meri 1meri
5. T.S.A = 2 th + LCS, + 3, + 3, x 1 x 5mm x 10mm + 15mm (6+8+10)mm  2 to 50mm + 15 x 24mm  60mm + 15 x 24mm  60mm + 360mm  420mm  7. (II) (II) (II) (II) (II) (II) (II) (II	1km = 1 1m = 200 400m = D = 4 10 2marks 2marks 2marks 10 2marks 10 10 10 10 10 10 10 10 10 10	Distance in km   Time in hours   Distance in km/hr	2mer 2mer 3ma 1ma



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