

## THE PRIME EXAMINATIONS 2024

## P.7 BEGINNING OF TERM II

**MATHEMATICS** 

Time allowed 2 hours 30 minutes

INDEX NO:		TT	1	CONTROL THE SAME TAYAN MAN
Candidate's Name				######################################
Candidate's Signa	ture:		 	 
School;			 	 
District ID No.: .			 	 

## READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- 1. Do not write your school or district name anywhere on this paper.
- 2. This paper has two sections: A and B Section A has 20 questions and section B has 12 questions. The paper has 9 printed pages.
- 3. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
- 4. 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.
- 6. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
- Do not fill anything in the table indicated "For Examiners' use only", and those boxes inside the question paper.

FOR EXA	MINERS' US	E ONLY
QUESTION NUMBER	MARKS ATTAINED	INITIALS
1-5		
6-10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

APPROVED: Consultant Mathematics Department (PEC

PUBLISHERS OF .-

PRIME, SCHEMING FRAME WORKS, PUPILS WORKBOOKS, LESSON COURSE BOOKS, OT ON PAY PAS PAGES, LEARNING GAMES AND MORE

Organisari by PRIME EDUCATIONAL CONSULT #2024 Kampala

Turn Over



(65 Heater	Section A	. (40	Marks) .
CAMPION.	Describe the shaded region in the Yenn diagram below.	25	Work out: 10 -2 x 3
3	Arrange the integers -6, +5, -3, +2, 0 in descending order.	4	Write 9740032 in words.
5	A mathematics examination started long did the examination last?	at 9:4	ISa.m and ended at 12:15p.m. How
6	With the help of a ruler, a sharp per an angle of 120°.	cil a	nd a pair of compasses only, construct

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LESSON COURSE BOOKS AND PUPILS: WORKGOOKS.

Wilderick Statistics and obstines and	Increase 3600 by 15%.	8	Okuku bought 6 cups at sh.12,000. Find the number of cups Okuku would buy if he had sh.8,000.
9	Find the next number in the sequence.  1, 8, 27, 64	10	Acram harvested 90kg of simsim and packed it using 750g sachets for sale. Find the number of sachets Acram got.
11	Simplify: 2d -3c - c +3d	12	The average mass of 6 boys is 45kg and the average mass of 4 other boys is 40kg. Find the average mass of all the boys.
13	Express 60 as a product of its prime factors.	14	Twelve men can take 10 days to complete a piece of work. Find the number of days they will take if the number of men is reduced by four.

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LESSON COURSE BOOKS AND PUPILS\* WORKBOOKS.

In a triangle below, find the size of a	angk	marked I'.
Given that set Q has 31 proper subsets, find the number of elements in set Q.	17	Write 945 in Roman regners
Simplify: '6 - '4	19	In a box containing balls, 8 were painted blue, 10 were painted yellowand 6 were painted red. If a ball was to be picked at random, what is the chance of picking a yellow ball?
Find the least number of pens when leaves 5 pens as a remainder.  O Prime Educational Consult 2024, TEL: 075299		OT ON inch
	Given that set Q has 31 proper subsets, find the number of elements in set Q.  Simplify: '6 - '4  Find the least number of pens when	Given that set Q has 31 proper subsets, find the number of elements in set Q.  Simplify: 6 - 4  Find the least number of pens when dividents in the least

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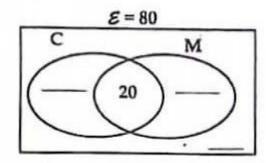
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LESSON COURSE BOOKS AND PUPILS' WORKBOOKS.

	HONORE IN THE PARTY OF THE PAR
23日	At a party attended by 80 guests, 60 guests ate chicken (C), 10 guests ate meat
¥	(M) but not chicken, 20 guests ate both chicken and meat while 5d did not eat
	any of the two types of sauce.

(a) Complete the Venn diagram below.

(03 marks)



(b) Find the number of guests who did not eat either chicken or meat.

(02 marks)

A bus travelling at a steady speed of 74km/h left town P at 10:50 a.m and reached town Q at 2:20 p.m. Calculate the distance between town P and town Q.

(04 marks)

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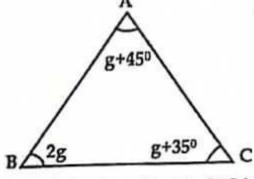
(a) Solve the equation; 2(y+3) + 4(2+y) = 44.

(03 marks)

(b) Solve the inequality; 3k - 1 > 11.

(02 marks)

26 Study the triangle below and answer the questions that follow.



(a) Find the value of g.

(03 marks)

(b) Find the size of angle BAC in the triangle above.

(02 marks)

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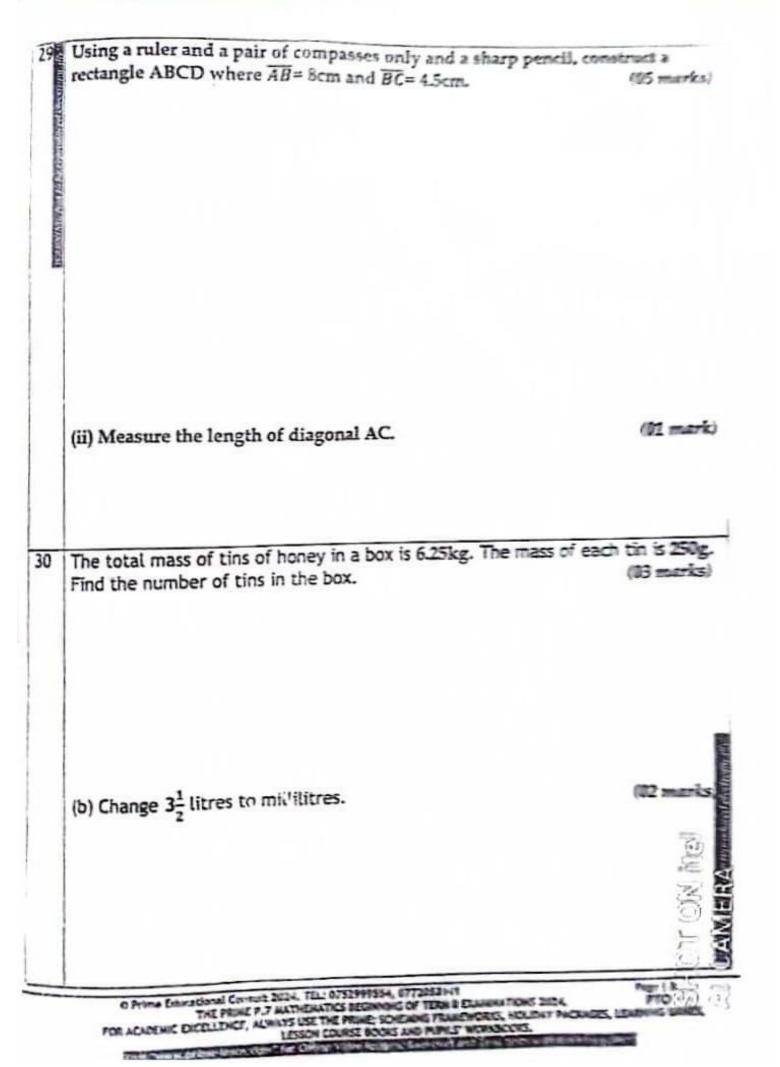
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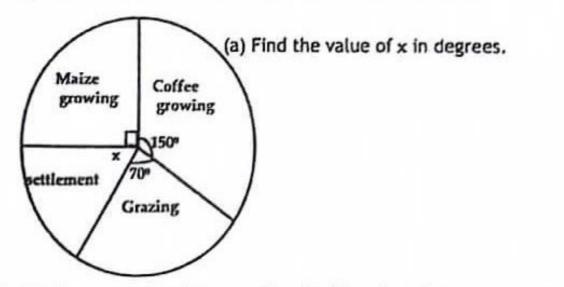
LESSON COURSE BOOKS AND PUPILS' WORKBOOKS.

Marks	90	50	60	80	40
Tallies	11	1111	11	111	1111
(a) Find the	mean mark.				(03 marks
	y pupils did	the examinatio	n?		(01 mark,
		00 in a bank th t of money the			

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32 The pie chart below shows how a farmer divided his land.



(b) If 14 acres are used for grazing, find the size of the land the farmer owns.

(03 marks)

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(02 marks)