

THE PRIME EXAMINATIONS 2024

P.7 MAGIC SET III

MATHEMATICS

Time allowed 2 hours 30 minutes

INDEX NO:			TT	TT		
Candidate's N	ame:		 		—— 	
Candidate's S		2:	 		7 66	FOR WELL EXPLAINED LESSON VIDEOS WITH EXPERT TEACHERS
District ID No	.:		 		夏	DOWNLOAD THE FRIME LEARN APP

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- Do not write your school or district name anywhere on this paper.
- 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.
- 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.
- 5. No calculators are allowed in the examination room.
- Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
- 7. 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		- 1

APPROVED:

Mathematics Department (PEC)

PUBLISHERS OF: -

THE PRIME; SCHEMING FRAME WORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY, PACKAGES, LEARNING GAMES AND MORE.

Organised by: Prime Educational Consult

@2024

Kampala

Turn Over

-	Section A	(40)	Marks)
Not to the repension of ethe games	Workout: 57 + 342	2	Write in figures; Four hundred six thousand ninety eight and sixteen hundredths.
3	Simplify:7k - 3p - 4p + k	4	Given that set $R = \{2,3,5\}$, List down all proper subsets of set R .
			proper subsets or set 20
5	Work out 4×-3 using a number line.	THE R	
6	Find the sum of all square numbers between 20 and 40.	7	How many $\frac{3}{4}$ packets of sugar can be got from 9kg of sugar?
			dan bili boast situri gi uvoj sa ili mar (ili. 1
8	A saminar started at 20 minutes to m the seminar last?	idda	y and ended at 3:00pm. How long did

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UNIRALING Not to be errecitered the terms all 20	How many lines of folding symmetry has the shape below?	10	A trader bought two hens at sh.40000 and sold each at a profit of sh.3500. Calculate the trader's selling price for each hen.	
11	On a farm, there 48 cows and 72 goats. If the farmer is to sell one of the animals to pay his child's fees, find the probability that he will sell a cow.	12	Convert 0.45m³ to cm³.	
13	Given that $x = -3$ and $y = 8$, find the value of $2y - x^3$.	14		Mark William Constraint and Constraint Contraction

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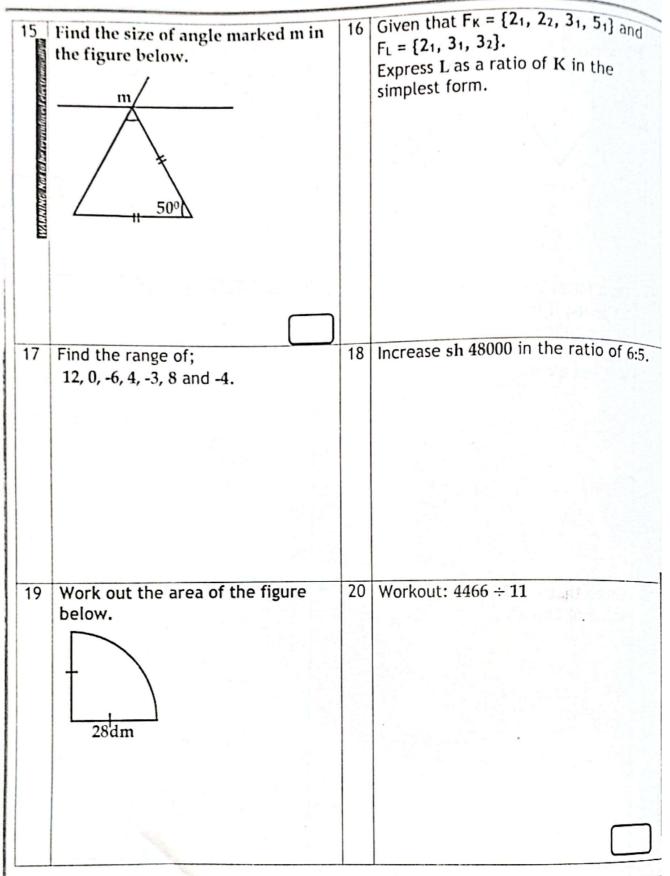
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-	Section B (60 Marks)	
21	At a party, 18 guests took water (W) only, 2f guests took soda (S) b (f+1) guests took both water and soda while 4 guests took neither	out not water, of the drinks. (02 marks)
	(b) Give that $n(W-S)' = 20$, find the value of f.	(02 marks)
	(c) Find the probability of picking at random a guest who took bot	h drinks. ' (01 mark)
22	(a) Write 39.245 in expanded form using powers of ten.	(02 marks)
	(b) Work out: (1.9 x 4.6) + (4.6 x 9)	(02 marks)

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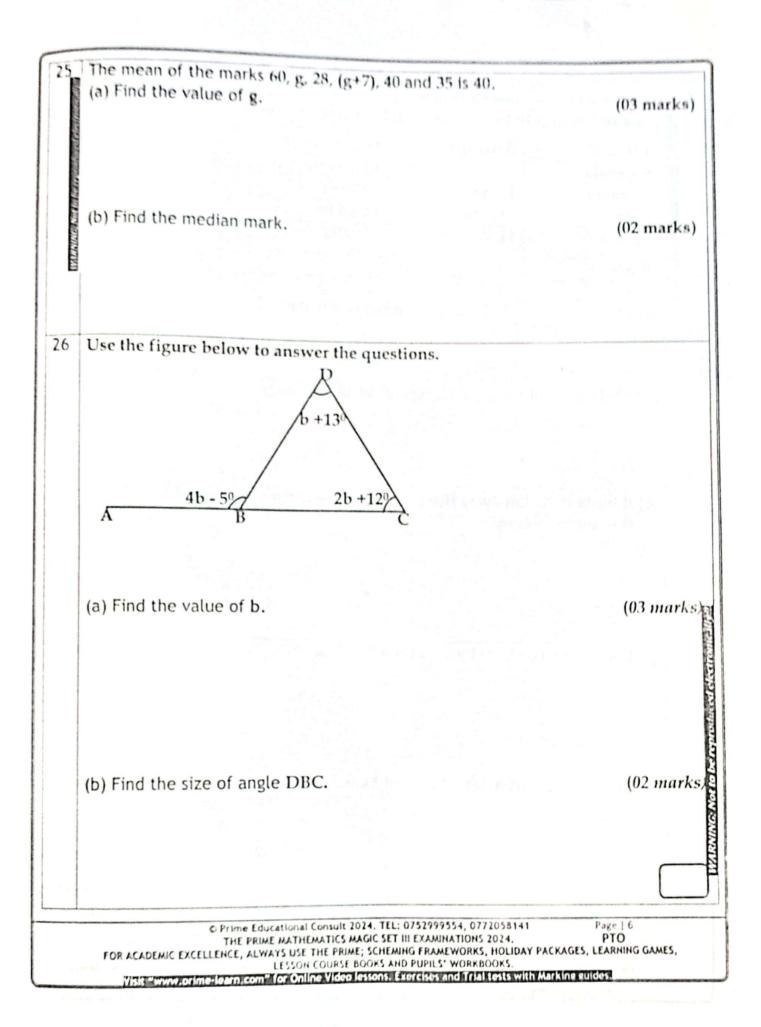
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23	Study the exchange rates below and use them to answer the question that follow. GBP (£) 1 = Ush.5,000 USD (\$) 1 = Ush.3,700 Ksh 1 = Ush.30 (a) Dauda came to Uganda with GBP (£) 120 and USD (\$) 250. How much Uganda currency did he get in exchange? (03 marks)
	(b) If a watch costs USD \$ 360, what will be the equivalent cost of the watch in Ksh? (02 marks)
24	Study the figure below and answer the questions that follow. If BD = 14cm and AC= 18cm. Find the area of the shaded part if ABCD is kite. (05 marks)

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110	Town	Arrival	Departure					
	Kampala		10 50hr					
	Mukono	12 20hr	12 25hr					
1000	Jinja	13 50hr	14 05 hr					
100000	Iganga	14 35hr	14 40hr					
Manufacture de	Busia	16 20hr						
-	(a) At what tin	ne in 12 hour did	the bus reach Iganga?	(02 marks)				
and department of the first	(b) Find the to	tal time the bus	spent on all stop overs.	(02 marks)				
-								
1								
-			Kampala, calculate the aver	age speed of bus fo (02 marks				
	(c) If Busia is 2 the whole j		Kampala, calculate the aver	age speed of bus fo (02 marks				
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AND THE PROPERTY OF THE PROPER	the whole j	h 800,000 by 20%	then by 15%.	(02 marks				

CS CamScanner

29	The container below has a capacity of 7.5 litres when completely fu	111.
Vol fa by Teprastrees Feloritae	15cm	
WARNING A CLED	(a) Find the area of the shaded part.	(03 marks)
· ,		
	(b) If the value of t is 20cm, find the value of p.	(02 marks)
30	Stella takes 18 mins to mop a room when she works alone while H 36 mins to mop the same room. One day, the two girls agreed to w (a) Find the time they both took to mop the same room.	ladijah takes ork together. (03 marks)
		Treatorn
		dusedelisara
	(b) How many such rooms can the two girls mop if they work toget minutes?	her for 60 (02 marks)
		WZRANNO NAT
	The state of the s	

31 Saudah is x years old. Her son is two fifth as old is 4 years older than the son. The difference between that of the daughter is 20 years. How old is each	ween the age of the mother and
(a) Using a ruler, a pencil and a pair of compass in which Line EF = 8cm, FG = 5cm and angle	es only construct triangle EFG $= 105^{\circ}$. (04 marks)
The state of the second state and self-self-self-self-self-self-self-self-	
(b) Measure the length of line EG.	(01 mark)
Candidates should master answering in more understandable and clear.	TGA }
6 Prime Educational Conduit 2024, TEL: 075299955 THE PRIME HATHEMATICS HAGIC SET IN EXAMINA FOR ACADEMIC ENCELLENCE, ALMAIS USE THE PRIME; SCHEMIC FRAMEN LESSON COURSE FOR A SECOND FRAMEN	Tiday 102