

THE PRIME EXAMINATIONS 2024 P.7 MAGIC SET III

MATHEMATICS

		,	ime allowi	ed 2 hour	s 30 mir	nutes		
INDEX NO:								
Candidate's Name	e:							
Candidate's Signa	ture:							FOR WELL EXPLAINED LESSON VIDEOS WITH EXPERT TEACHERS
District ID No.:							Je 3	DOWNE OAD THE PRIME LEATEN APP

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.
- 5. 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.
- 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	1 90	
6-10	Garage Co.	
11 - 15	THE DE	
16 - 20	13/13	1-1-3
21 - 22		10
23 - 24	A. A.	
25 -26		
27 - 28		
29 - 30		N 19
31 - 32	MP II-	
TOTAL		

APPROVED: Consultant

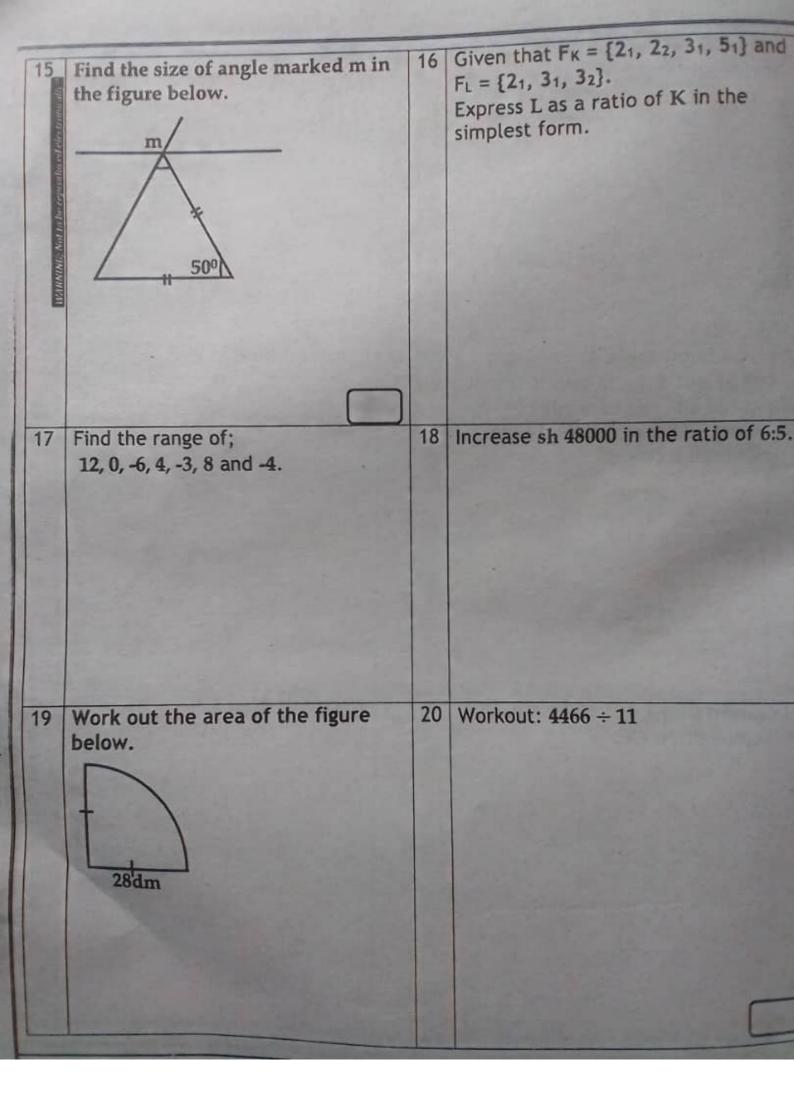
Mathematics Department (PEC)

MING FRAME WORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS. HOLIDAY PACKAGES, LEARNING GAMES AND MORE...

Prime Educational Consult @2024

Turn Over

Section A (40 Marks) Workout: 57 + 342 2 Write in figures; Four hundred six								
1	Workout: 57 + 342	2	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.					
5	Work out 4 x -3 using a number line.							
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?					
8	A seminar started at 20 minutes to not the seminar last?	nidd	lay and ended at 3:00pm. How long did					

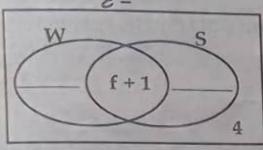


Section B (60 Marks)

At a party, 18 guests took water (W) only, 2f guests took soda (S) but not water, (f+1) guests took both water and soda while 4 guests took neither of the drinks.

(a) Complete the Venn diagram below.

(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 both drinks.

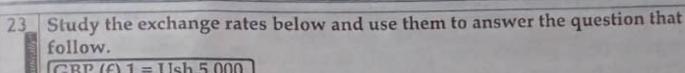
(01 mark)

22 (a) Write 39.245 in expanded form using powers of ten.

(02 marks)

(b) Work out: $(1.9 \times 4.6) + (4.6 \times 9)$

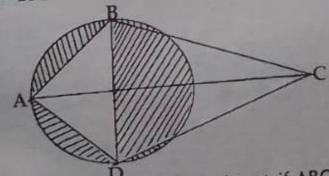
(02 marks



(a) Dauda came to Uganda with GBP (£) 120 and USD (\$) 250. How much Uganda (03 marks) currency did he get in exchange?

(b) If a watch costs USD \$ 360, what will be the equivalent cost of the watch in (02 marks) Ksh?

Study the figure below and answer the questions that follow. If BD = 14cm and 24 AC= 18cm.



Find the area of the shaded part if ABCD is kite.

(05 marks)

(b) Find the size of angle DBC.

(02 mar

The table below shows how a bus travelled from Kampala through Mukono, Jinja and Iganga to Busia. Study and use it to answer the questions that follow. Departure Arrival Town 10 50hr Kampala 12 25hr 12 20hr Mukono 14 05 hr 13 50hr Tinja 14 40hr 14 35hr Iganga 16 20hr Busia (02 marks) (a) At what time in 12 hour did the bus reach Iganga? (02 marks) (b) Find the total time the bus spent on all stop overs. (c) If Busia is 220km away from Kampala, calculate the average speed of bus for (02 marks) the whole journey. (03 marks) (a) Decrease sh 800,000 by 20% then by 15%. 28 (02 marks) (b) Express 400m as a percentage of 5km.

32 (a) Using a ruler, a pencil and a pair of compasses only construct triangle EFG in which Line EF = 8cm, FG = 5cm and angle EFG = 105°. (04 marks)

(b) Measure the length of line EG.

(01 mark)



Answering techniques.

Candidates should master answering in brief and precise way to be more understandable and clear.