

THE PRIME EXAMINATIONS 2023

PRIMARY SIX END OF YEAR **MATHEMATICS**



anocatea 2 nours 30 minutes	£ 75	DOWNLOAD	THE PRIME LEARN APP
Name:			
Signature:			
School:			
District Name:			
READ THE FOLLOWING INSTRUCTIONS CAREFULLY	FOR EXA	MINERS' U	SE ONLY
	QUESTION	MARKS	INITIALS

- This paper has two sections: A and B. Section A has 20 questions (40 Marks) and Section B has 12 questions. (60 Marks)
- 2. Answer ALL questions. All the working for both sections A and B must be shown in the spaces provided.
- 3. All working must be done using a blue or black ball point pen or ink. Any work done in pencil other than on graphs and diagrams will not be marked.
- 4. No calculators are allowed in the examination room.
- 5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
- 6. Do not fill anything in the table indicated "FOR EXAMINERS' USE ONLY"

FOR EXAMINERS' USE ONLY						
QUESTION NUMBER	MARKS ATTAINED	INITIALS				
1-5						
6-10						
11 - 15						
16 - 20						
21 - 22						
23 - 24						
25 - 26		7. 7. 3				
27 - 28						
29 - 30						
31 - 32						
TOTAL.						

APPROVED Mathematics Department (PEC)

PUBLISHERS OF:-

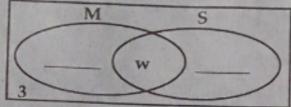


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	Markout 7 + 2	10	Marks) Write COLV in Hindu Arabic
	Workout: 7 + 3	2	numerals
3	Simplify: 6a + 3b + 2a + 10b	4	Work out: 11 - 7 15 15
5	Find the next number in the sequence; 2, 3, 5, 7,	6	Increase 240 in the ratio 54
7	Given that set A = {2,3}. List down all subsets of set A.	8	What number is represented by the tallies below?
9	Harriet bought 3kg of sugar. Express this quantity in grammes.	10	Change 15 to base five.
11	In the diagram below, find the size of	ang	le marked q.

2	A forty minute lesson ended at 9:00am. At what time did it start?	13	The LCM of two numbers is 24, their GCF is 2. If the first number is 6,
	9:00am. At what time did it said		find the second number.
		15	Divide 3627 by 9.
4	A baby slept at 8:45pm. Express this time in 24 hour clock system.	2	
6	Find the number that has been expanded below. $(3\times10^2) + (6\times10^1) + (5\times10^0)$	17	Show the number 2057 on the bacus.
18	Using a ruler, a sharp pencil and a p 60° in the space below.	air of	f compasses only, construct an angle of
19	The exchange rate for 1 USdollar is Ush.3500. Convert 180 US dollars to Uganda shillings.	20	At a party, 72 litres of juice was shared among the guests. If each guest got $\frac{1}{2}$ litre. How many guests were served?
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(02 marks)



(b) Find the value of w.

(02 marks)

- (c) What is the probability of picking at random a pupil who likes Maths?
 (01 mark)
- 22 (a) Solve: $34_y = 42_{five}$ (03 marks)

(b) Add: 1 0 4_{five}
+ 2 3_{five}

(02 marks)

23 A pupil went for shopping and bought the items below.

6 exercise books at sh.1500 per book.

1½kg of sugar sh.6000 per kg.

500ml of cooking oil at sh.4000 each litre.

(a) Calculate the pupil's total bill.

(04 marks)

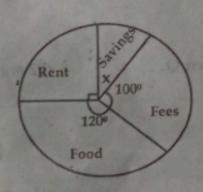
K31	CNAME	
The Parket of th	(b) If the pupil had sh.25,000, what was his change?	(02 marks)
THE METOR ST. SE	Four girls Cathy, Nusulah, Fridah and Beatrice shared sh.180,000 in to 2:3:4:1 respectively. Find how much each girl got.	he ratio (05 marks
25	10:15am.	Q at (02 marks)
	(b) Calculate the distance between town P and town Q.	(02 marks
26	(a) Work out: 2.4 x 0.6 0.12 x 0.4	(03 marks
	(b) Six boys can slash a compound in 20 minutes. How many boys can same work in 12 minutes?	do the

Using a ruler and a pair of compasses only, construct a triangle ABC where (04 marks) \overline{AB} =7cm, angle ABC=90° and angle BAC=45°.

(b) Measure \overline{BC} .

(01 mark)

The pie chart below shows how a man spends his monthly salary of sh.900,000. 28



(a) Find the value of x.

(02 marks)

(b) How much money does he spend on food every month?

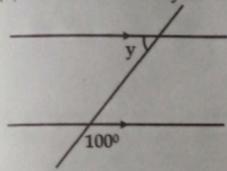
(02 marks)

(c) Express the money spent on rent as a percentage of the total salary.

(02 marks)

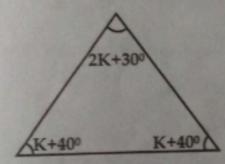
(a) Find the value of y in the figure below.

(02 marks)



(b) Find the value of K in the triangle below.

(03marks)



Sseremba is 10 years older than Mwanga. Their total age is 48 years. How old is (03 marks)

(b) Solve: $\frac{x}{5} = 4$

(02 marks)

The table below shows marks obtained by pupils of P.6 in a certain school in a Maths test.

Marks	65	80	50	90
No. of pupils	2	3	4	1

(a) How many pupils did the test?

(01 mark)

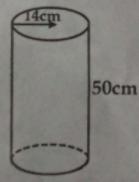
(b) Find the range in their marks.

(01 mark)

(c) Work out the average mark of the class.

(03marks)

32 Below is a cylindrical water tank. Study it and answer the questions that follow.



(a) Work out the volume of the tank. $(\pi = \frac{22}{7})$

(02 marks)

(b) Find the capacity of the tank in litres.

(02 marks)