## THE PRIME EXAMINATIONS 2023 PRIMARY SIX END OF YEAR MATHEMATICS



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District Name			
READ THE FOLLOWING INSTRUCTIONS CAREFULLY	THE REAL PROPERTY.	WINDS IS	1020
. This paper has two sections: A and B. Section A has 20	QUESTION	MARKS	INITIALS
questions (40 Marks) and Section 8 has 12 questions. (60 Marks)	1-5		
(oo marks)	6-10		
Answer ALL questions. All the working for both sections	11 - 15		
A and B must be shown in the spaces provided.	16 - 20		
All working must be done using a blue or black built	21 - 22		
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.	23 - 24		
	25 - 26		
	27 - 28		
No calculators are allowed in the examination room.	29 - 30		
Unnecessary changes in your work and handwriting that	31 - 32		
cannot be read easily may lead to loss of marks.	TOTAL	7	
Do not fill anything in the table indicated  "FOR EXAMINERS' USE ONLY"  UBUSHERS OF:>	APPROVED  All (multimit and (MEC)		

Organised by: PRIME EDUCATIONAL CONSULT @2023 [ PRIME EDUCATIONAL CONSULT @2023



1	Workout: 7 + 3	140	Write CCLV in Hindu Arabic
in the second second	Workdut. 7 + 3	2	numerals.
1	Simplify: 6a + 3b + 2a + 10b	4	Work out: <u>11</u> - <u>7</u> 15 15
5	Find the next number in the sequence; 2, 3, 5, 7,	6	Increase 240 in the ratio 5:4
re el	Given that set A = {2,3}. List down all subsets of set A.	8	What number is represented by the tallies below?
	Harriet bought 3kg of sugar. Express this quantity in grammes.	10	Change 17 <sub>ten</sub> to base five.
	In the diagram below, find the size of	ang	le marked q.
	32 <sup>0</sup>		

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12	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, find the second number.
14	A baby slept at 8:45pm. Express this time in 24 hour clock system.	15	Divid∈ 3627 by 9.
16	Find the number that has been expanded below. $(3x10^2) + (6x10^1) + (5x10^0)$	17	Show the number 2057 on the bacus.
18	Using a ruler, a sharp pencil and a pa	ir of	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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21	In a class of 60 pupils, 40 like Maths(M), 27 like Science(S), 3 the two subjects while w like both subjects.  (a) Complete the Venn diagram below.	(02 marks
	$\frac{M}{3}$	
	(b) Find the value of w.	(02 mark
	(c) What is the probability of picking at random a pupil who li	kes Maths? (01 mark
2	(a) Solve: $34_y = 42_{five}$	(03 marks
	(b) Add: 104 <sub>five</sub> +23 <sub>five</sub>	(02 marks
3	5 등 20 등에 대한 경험 전문 보고면 다른 10 등로 15 중에 발전하게 함께 하는 10 등에 함께 함께 되었다. 전쟁 (1.15 등에 기다 당한 기가 보다 기가 되었다. 10 등이 하여	(02 marks
3	+ 2 3 <sub>five</sub>	(02 marks

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The state of the s	(b) If the pupil had sh.25,000, what was his change?	()2 marks).
24	Four girls Cathy, Nusulah, Fridah and Beatrice shared sh.180,00 2:3:4:1 respectively. Find how much each girl got.	00 in the ratio (05 marks)
25	A taxi left town P at 7:45am travelling at 64km/h and reached	town Q at
. Yai	10:15am.  (a) Find the time the taxi took to cover the journey.	(02 marks)
	(b) Calculate the distance between ${f town\ P}$ and ${f town\ Q}$ .	(02 marks
26	(a) Work out: <u>2.4 × 0.6</u>	(03 marks
	$0.12 \times 0.4$	
	(b) Six boys can slash a compound in 20 minutes. How many bo same work in 12 minutes?	oys can do the (02 marks

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°. WARNING, Not to be reproduced electronic (01 mark) (b) Measure  $\overline{BC}$ . The pie chart below shows how a man spends his monthly salary of sh.900,000. 28 (02 marks) (a) Find the value of x. Rent 1000 Fees Food (b) How much money does he spend on food every month? (02 marks) © Prime Educational Consult 2023. TEL: 0393 283600, 0752 999554, 0772 097028, 0704 924083

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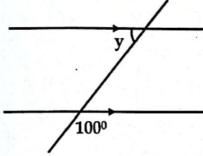
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(c) Express the money spent on rent as a percentage of the total salary. (02 marks)

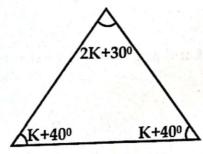
(a) Find the value of y in the figure below.

(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) 30 Sseremba?

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

(02 marks)

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(a) How many pupils did the test?

(01 mark)

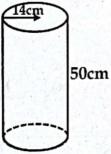
(b) Find the range in their marks.

(01 mark)

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

(03marks)

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

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