

THE SIPRO BEGINNING OF TERM I EXAMINATIONS -2023
PRIMARY SEVEN MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

Index No.

Random No.						Personal No.		

Candidate's Name: _____

Candidate's signature: _____

School Random No: _____

District: ID: _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 20 questions (40 Marks).
3. Section B has 12 questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:
"FOR EXAMINER'S USE ONLY"

For Examiner's Use Only:

PAGES	MARKS	INITIALS
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Page 7		
Page 8		
Page 9		
Total		

Please turn over

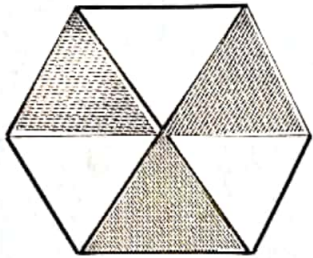



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SECTION: 40 MARKS*Attempt all questions in this section*

Questions 1 to 20 carry two marks each

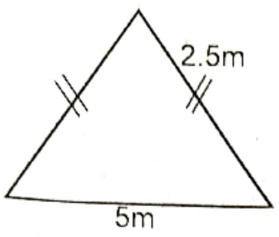
1.	Work out: $22 + 4$	2.	Express 45 in Roman numerals.
3.	Given that set $P = \{\text{cup, sugar, milk}\}$ List all subsets of set P.	4.	In the diagram below, write the fraction which is shaded . 
5.	Find the next number in the sequence: 4, 6, 8, 9, 10, ____	6.	Use $>$, $<$ or $=$ to complete the statement below correctly. $3 + 5$ _____ $5 + 3$
7.	Write the number represented by the tallies below: 	8.	What morning time is shown on the clock face below? 



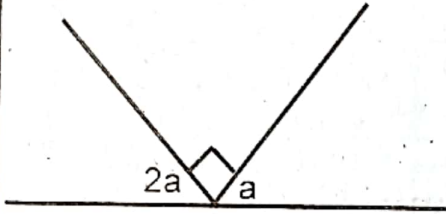
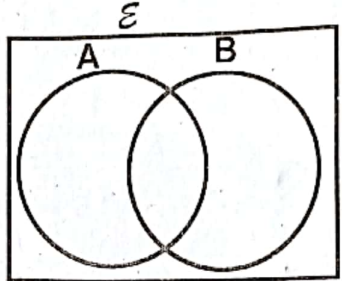

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P.7 MATHEMATICS BEGINNING OF TERM ONE EXAMINATIONS - 2023

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TR'S GUIDES AND PUPILS COMPANIONS.

9.	<p>Find the perimeter of the figure below.</p> 	10. Simplify: $3\text{cups} + 2\text{cups} + 4\text{cups}.$
11.	Using a protractor, a sharp pencil and a ruler only, draw an angle of 60° .	12. The price of a phone in a market is sh.250,000 .Musa sold it at sh.300,000 .Find his gain.
13.	A teacher displayed cards numbered $\textcircled{5}$, $\textcircled{4}$, $\textcircled{7}$, $\textcircled{9}$ Expand the largest 4 digit number formed using values .	14. Work out: $\frac{2}{3} + \frac{1}{5}$



15.	Loliang bought a wire of length 27.8m. Express the length of a cloth bought in centimetres .	16.	Solve: $2a+7=15$
17.	Find the value of the unknown angle: 	18.	Shade A-B in the venn diagram below. 
19.	Work out the Highest Common Factor of 12 and 16.	20.	Given that  represents 6 cups, draw pictos to represent 30 cups.



SECTION B: 60 MARKS

Attempt **all** questions in this section.

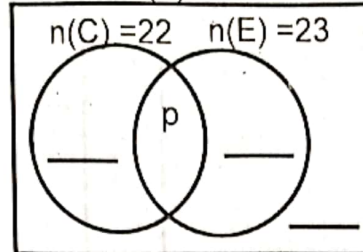
Marks for **each part** of the question are indicated in the brackets

21.

In a saving **SACCO** meeting of **40** people; **22** people save for Christmas (**C**), **23** save for Easter (**E**) while **5** save for Edi al-Adha only and **P** save for both Christmas and Easter.

a) **Complete** the venn diagram below using the above information.

$$n(E) = 40$$



b) How **many** people save for both Christmas and Easter?

(02Marks)

(02Marks)

22 a) Find the **sum** of the value of **8** and the value of **6** in **78462**.

b) Round off **27621** to the nearest **thousands**.

(03Marks)

(02Marks)



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4

23. a)	Solve: $2a - 6 = 4$	b)	I think of number, add 5 to it and double the results, the answer is 20. What is the number?
	(02Marks)		(02Marks)
2 4 a)	Using a ruler, a sharp pencil and a pair of compasses only, construct a quadrilateral WXYZ where WX = XY = YZ = ZW = 6cm .		
	(04Marks)		
b)	Measure diagonal WY .		
	(01Mark)		



25

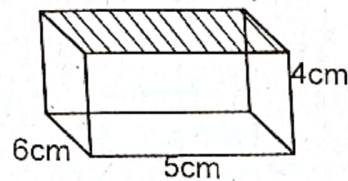
The examination at American Secondary School are done as follows in trial sets. Mathematics paper after every 120 minutes and English paper after every 80 minutes.

- a) After how many hours will the two papers be done at the same time?

- b) If they were done together at 6:20am, at what time of the day will the papers be done at the same time? (04Marks)

26.

Use the figure below to answer the questions that follow. (02Marks)



- a) How many **vertices** has the figure? (01Mark)

- b) Work out the **area** of the shaded part. (02Marks)

- c) Calculate the **volume** of the figure. (02Marks)



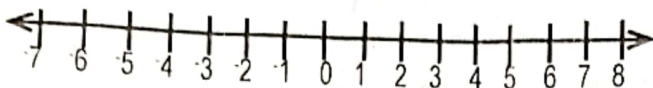
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6

27.a) Work out $-7 + +3$ using the number line below.



b) Arrange $-3, -5, 0, 1, 6, 4$ and -1 in ascending order.

(03Marks)

28 The exchange rates at a forex bureau are as follows:

1 US dollar = Ug sh. 3700

1 Ksh = Ug sh. 37

a) How much Uganda shillings will one get if one has 800 US dollars and 15,000 Kenya shillings?

b) Joseph left Kenya with Ksh 500,000 to USA. How many dollars is he having?

(03Marks)

(03Marks)



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29. a)	Komugisha was facing Southwest. She turned anti-clockwise through an angle of 135° . Find her new direction.	b)	Find the supplement of 101° .
	(02Marks)		(02Marks)
30. a)	$\frac{2}{5}$ of the pupils in a school are boys and the rest are girls . If there are 300 girls in the school, Find the fraction of girls.	b)	How many pupils are in the school?
	(02Marks)		(02Marks)
c)	How many less boys than girls are in the school?		
	(02marks)		



31.a) Complete the frequency table below of ages of pupils.

Age	Frequency	Total age
12		60
10	_____	30
11		_____
_____	I	54
15		_____

(04marks)

b) Find the **number** of pupils.

(01mark)

32. Ajibo left home at **8:30am** travelling at a speed of **80km** per hour and arrived at the market at **10:30am**. She continued at a speed of **60km** to church for **3 hours**.

a) How **far** is home from the market?

b) Find the **total distance** she covered from home to church.

(03marks)

(03marks)



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