## RUBANDA SOLIDARITY PRIMARY SCHOOL

## PRIMARY SEVEN MOCK EXAMINATION ACADEMIC PANNEL

## MATHEMATICS EXAM 2023

Time:2 hours 30 minutes

Name			
School			
Class			
District			
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD	TO DO SO.		
Read the following instructions carefully.		MADICO.	
This paper is made up two sections A and B.	QUIZ	MARKS	INITIALS
2. Section A has twenty (20) questions (40 marks)	1-10		
3. Section B has twelve (12) questions (60 marks)			
4. Answer all questions in both sections A and B	11-20		
5. All answers in both sections must be written in			
the space provided.	21-24		
6. Use blue or black ball point pen and ink, all			
drawings must be done using a pencil.			
7. Unnecessary crossing of answers leads to	25-28		
loss of marks.			
8. Any handwriting which cannot be easily read,			
may lead to loss of marks.	29-32		
9. Moving in and out of the classroom during	27 02		
examination, is a sign of examination			
malpractice.	TOTAL		
10. Do not share your work with your friend or	IOIAL		

else one.

<b>SECTION A</b>	: (40	marks)
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1. subtract: 5 9 7 - 3 5 3

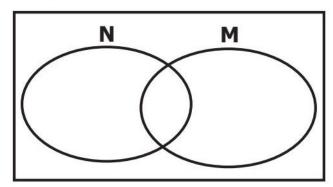
- 5. Use distributive property to work out (55 x 10) (44 x 10)
- 2. Write forty five thousand forty four in figures.

Write the next two numbers in the sequence.

1, 3, 6, 10, \_\_\_\_\_, \_\_\_\_

6. A motorist covers a distance of 180km in 4½. At what speed was he moving?

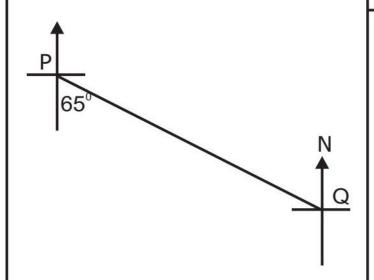
Shade (MUN) on the venn diagram below.



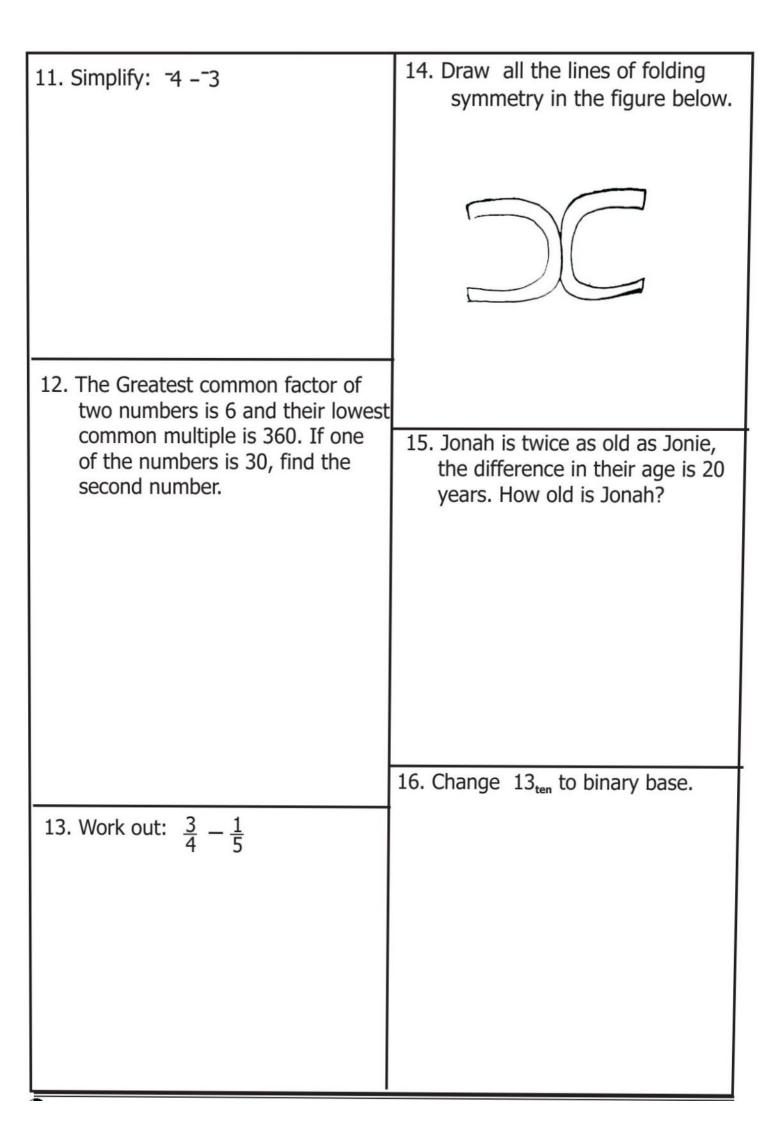
$$x - 3 = 4$$

9. How many half litre bottles can fill a 10 litre jerrycan?

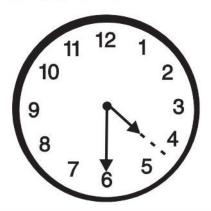
8. Find the bearing of Q from P in the diagram below.



10. If set A = {c, a, t }. How many
 subsets can be got from set A?



17. Write the evening time shown on the clock face below.



18. Using a ruler and a pair of compasses only, construct an angle of 60°.

 A nurse's salary was increased from shs. 500,000 to shs. 600,000. Find the percentage increase.

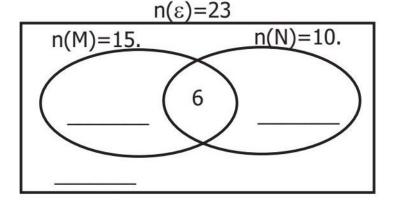
19. A nurse's salary was increased from 20. Expand 893 using powers of ten.

## **SECTION B: (60 MARKS)**

21. Given that  $n(MUN)^1 = x$ ,  $n(\epsilon) = 23$ , n(MnN) = 6, n(N) = 10, and n(M) = 15.

Use the given information above to complete the venn diagram below.

(3marks)



b) How many members are in set (MUN) complement?

(2marks)

- 22. Given the number 9346, use it to answer the questions that follow.
- a) Identify the place value of the last digit in the number above.

(1mark)

b) Write the above number in words.

(2marks)

c)	Work out the sum of the value of 9 and the place value of 4 in the	
	above number. (3mark	ts)

23. The rates at which the bank buys and sells in Uganda are as below.

Currency	Buying rate	Selling rate
Pound sterling(£1)	Ugsh. 4000	Ugsh. 4200
Us dollar (\$1)	Ugsh. 3060	Ugsh. 3100
Kenya shs(Kshs1)	Ugsh. 25	Ugsh. 30

a) If a trader had \$ 430 and Ksh.20, how much money did he have in Uganda shillings? (3marks)

b) The trader bought a radio at Ughs. 168000. How many pound sterlings did he pay? (2marks)

24. In Kanoni	P/s bells for lower and upper Primary are rung every after
30 minutes	and 40 minutes respectively for lessons to begin.

a) After how long will the two bells ring together again? (3marks)

b) If they rung for the third time at 2:00pm, At what time did the two bells ring for the second time.
(2marks)

25. Given that 
$$P = 5$$
,  $q = 3$  and  $h = 2$   
Find; a) phq (2marks)

26. Using a ruler, a sharp pencil and a pair of compasses only, construct a quadrilateral ABCD where  $\overline{AB}$  is parallel to  $\overline{CD}$  = 7cm,  $\overline{BC}$  is parallel and perpendicular to  $\overline{AD}$  = 5CM. (4marks)

b) Measure angle BAC.

27. In a village, $\frac{1}{3}$ of the popu	lation are children,	25% of the remaining
population are male adults.		
adults.		

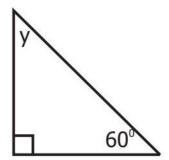
a) What fraction of the population are female adults?

(3marks)

b) If there 150 female adults , what is the total number of people in that village? (2marks)

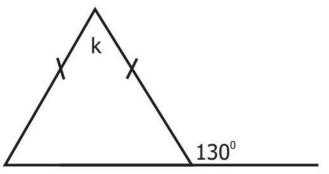
28. Use the figures below to find the value of the unknown.

a)



(2marks)

b)



(3marks)

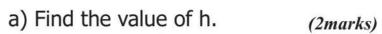
D--- 0

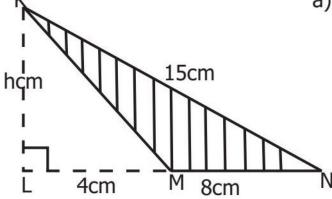
29. A tax driver uses 10 litres of petrol for every 60km.	
a) How much petrol does he need for a journey of 240km.	(2marks)
b) If one litre of petrol costs shs.5000. How much money will he	spend on
petrol needed to run the tax for 2hours at a speed of 60km//h	r?
	(3marks)
30. a) Work out: 0.24 x 0.3 0.06	(3marks)

Dama 40

b)	Simplify:	$\frac{1}{2}$	$-\frac{1}{3}+\frac{1}{4}$	(2marks)
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31. The figure below shows a triangle KMN. Use it to answer questions that follow.



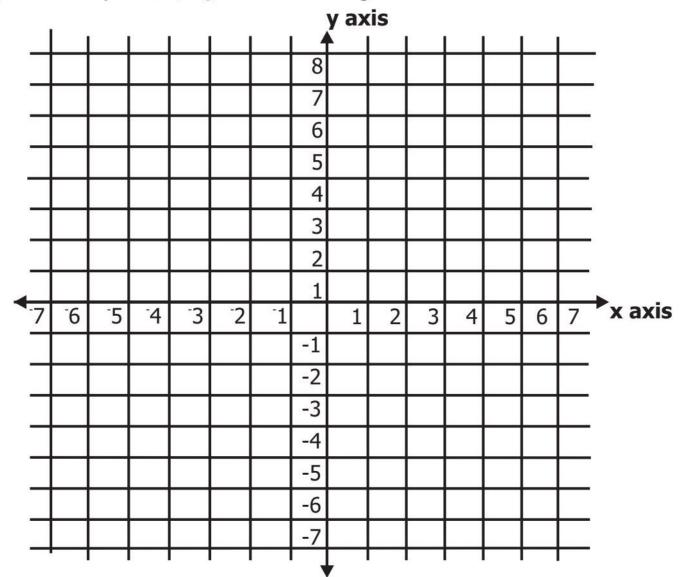


b) Work out the area of the shaded part.

(2marks)

D--- 4

- 32. Given the points  $P(0, ^+3)$ ,  $Q(^-4, ^-4)$ ,  $R(^+3, ^-4)$
- a) Plot the points P, Q, and R on the grid below.



- b) Join P to Q, Q to R and R to P. (1mark)
- c) Find the area of the figure formed. (Given that 1sq = 1cm<sup>2</sup>)

(2marks)