

CHAIRMAN L C V BUGIRI DISTRICT
MOCK EXAMINATIONS -2023
PRIMARY SEVEN
MATHEMATICS

Time allowed: 2 hours & 30 minutes

Index no.

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Name

School

DO NOT OPEN THIS BOOKLET UNTIL YOU TOLD TO DO SO

Read the following carefully

1 This paper is made up of two sections A and B

2 Section A has 20 questions (40 marks)

3 Section B has 12 questions (60 marks)

4 Answer all questions. All answers for both sections

A and B **MUST** be written in the spaces provided

No piece of papers will be provide for rough work

5 All answers must be written in blue or black ball

point pen or ink. Diagrams should be drawn in pencil

Un necessary alteration of work will lead to loss of marks

Any handwriting that cannot easily be read may lead

to loss of marks

Do not fill anything in the Box indicated for

Examiner's use only

FOR EXAMINER'S USE ONLY

Q.N. NO	MARK	SIGN
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

TURN OVER


SECTION A (40 MARKS)

1. Workout: $468 + 132$

2. Simplify: $^+6 + ^-4$

3. Given that: $P = \{2, 3, 5, 7\}$ and $Q = \{1, 3, 5, 7, 9\}$ find $n(P \cap Q)$

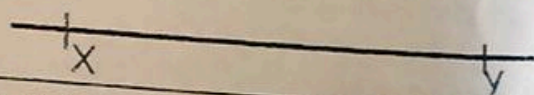
4. Workout: $3\frac{1}{3} \div \frac{5}{9}$

5. Given that  represents 9 chairs, how many pictures will represent 108 chairs?

6. How many 250 milliliter bottles of water can be obtained from $2\frac{1}{2}$ liters?

7. If $m = 3$, what is the value of m^4

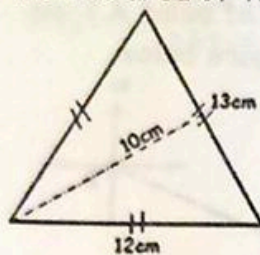
8. Using a ruler, a pencil and a pair of compass only, construct an angle of 150° at point X.



9. Change 9:40 p.m. to 24hr clock system.

10. A van travelled 60km in 45 minutes. Calculate its average speed in K.P.H

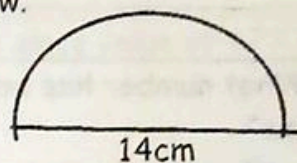
11. Find the area of the figure below.



12. Express CXLIX in Hindu- Arabic numerals

13. Find the next number in the sequence. 1, 3, 6, 11, 18, _____

14. Find the total distance round the figure below.



15. Convert 233_{five} to a decimal base

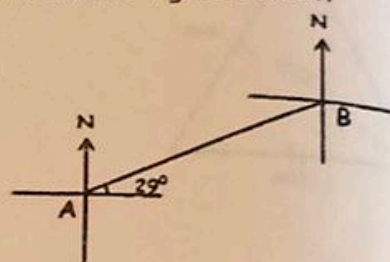
16. Solve $\frac{5}{8}P - 5 = 20$

17. Find the mean of $3x$, 4, 9, $(2x-3)$ and 10.

18. School fees in a certain school was increased by 20% to sh450,000 this term. What was the fees before increment?

19. Write the number whose scientific notation is 6.75×10^3 .

20. Find the bearing of point A from point B in the figure below.



SECTION B (60 MARKS)

21. a) What number has been expanded below? (02mks)
 $(7 \times 10^2) + (6 \times 10^1) + (6 \times 10^0) + (5 \times 10^{-2})$

- b) Workout: $(8.5 \times 26) + (8.5 \times 24)$ (03mks)

22. The table below shows the marks scored by a group of P.7 boys in the end of term examinations.

No. of boys	2	3	4	1
Marks	70%	80%	60%	90%

- a) How many boys scored above 70% (02mks)

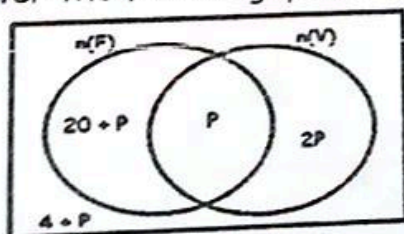
- b) Find the median in their scores (02mks)

- c) Calculate their mean mark. (02mks)

23. a) Simplify: $\frac{0.12 \times 5.4}{0.03 \times 0.6}$ (03mks) b) Express the recurring decimal 0.1666..... as a common fraction. (3mks)

24. a) Write 404,040 in words. (02mks) b) What is the place value of 674,805? (02mks)

25. a) The Venn diagram below shows the number of pupil who play different games in a school team. Some pupils play football (F), others play volley ball (V) while the rest play other games.
Use it to answer the following questions.



- a) If 40 pupils don't play volley ball at all, how many pupils play volley ball? (03mks)

- b) How many pupils are in the school team? (02mks)

26. The exchange rates in a forex bureau are as follow

1 US dollar (\$) = UGX 3,400

1 British pound sterling (£) = UGX 4,600

1 kenya shillings (ksh) = UGX 35

a) Convert UGX 1,150,000 to British pound sterling.

(02mks)

b) If Mr. Kapere bought his smart phone at \$4700,. Find the equivalent cost of his phone in kenya shillings.

(03mks)

27. a) using a ruler, a pencil and a pair of compasses only,

(05mks)

(i) Construct a parallelogram WXYZ such that line $WX=7\text{cm}$, $XY=5\text{cm}$ and angle $WXY = 120^\circ$.

(ii) Drop a Apppendicular line from Z to meet WX at point P



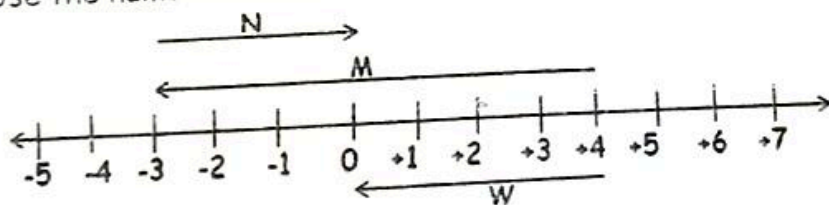
b) Measure the line ZP.

(01mk)

28. The sum of three consecutive odd numbers is 87. What is the range of the numbers? (04mks)

29. Mr. Bwire drove his car from Majanji to Mbale for 2hrs at a speed of 60km/hr. he took 90 minutes to drive from Mbale to Soroti which is 160km away from Mbale. Calculate his average speed for the whole journey. (04mks)

30. Use the number line below to answer the questions that follow.



- a) Find the integers represent by,

(i) W

(ii) M

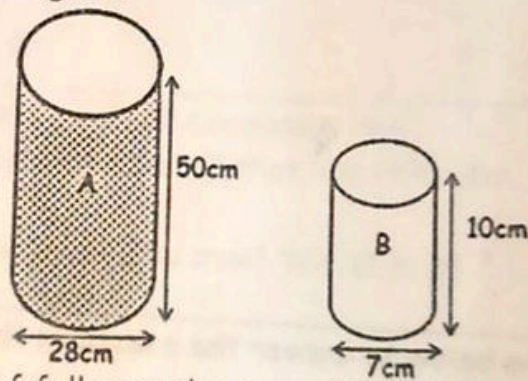
(iii) N

- b) Write the mathematical statement represented on the numberline above. (02mks)

31. a) Simplify: $4x - 3y - 2x + 2y$ (02mks)

b) Kagoya is 5 times as old as her daughter. If their total age is 48 years, how old is the daughter

32. Nyafwono filled container A with juice. She served visitors with juice using cups of size B shown in the diagram.



Find the total number of full cups she served the visitors.

(06mks)

****END****

Hon. Mulumba Davidson Kassajja wishes you success in your exams