

EDUCATION GIANTS EXAMINATION BOARD 2023

PRIMARY FIVE MID TERM II

MATHEMATICS

Time Allowed: 2 hours 30 minutes

PUPIL'S NAME:

SCHOOL:

DISTRICT:.....

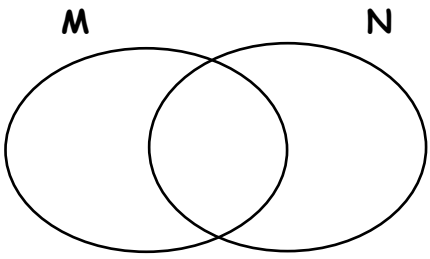
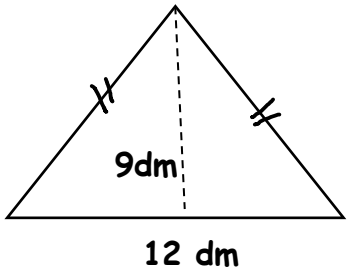
READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- 👉 This paper consists of two sections A and B
- 👉 Section A has 20 questions (40 marks) and B has 12 questions (60 marks)
- 👉 Answer All questions in this paper.
- 👉 Unnecessary alterations of work will lead to loss of marks.
- 👉 Use black or blue ink ball pen to answer the questions in this paper.
- 👉 No calculator, multiplication table or anything connected to Internet is allowed.
- 👉 Handwriting that cannot be easily read will lead to loss of marks.
- 👉 Do not write anything in the table indicated "for examiner's use only"

For examiner's use only

SECTION A	
SECTION B	
TOTAL	

SECTION A (40 MARKS)

1	Work out: 9×7	2	Write 14013 in words
3	<p>In the Venn diagram below, shade $M \cap N$</p> 	4	<p>Given that 🍏 represents 23 apples, draw pictures to represent 69 apples.</p>
5	Elizabeth is 2 years older than Nakabuye. If Nakabuye is 17 years old, write Elizabeth's age in Roman numerals.	6	Simplify: $\frac{2}{3} + 1\frac{2}{5}$
7	Mr Mugambe has two families, A and B with 8 and 9 people respectively. He needs to buy hectares of land to share to them equally, how many hectares can he buy so that two families can share equally?	8	<p>Calculate the area of the figure below.</p> 

9	Expand 2435 using indices.	10	In the space below, draw a cube
11	A man had $\frac{5}{8}$ of an orange and gave $\frac{1}{4}$ of it to her daughter, Find the fraction he remained with.	12	Add: $1\ 1\ 3_{\text{five}}$ $\begin{array}{r} +\ 3\ 4_{\text{five}} \\ \hline \end{array}$ $\cdot \underline{\hspace{2cm}} \cdot$
13	Prime factories 24 and present your answer in set notation.	14	Using a pair of compasses ruler and a sharp pencil only, construct an angle of 60° in the space below
15	The cost of two exercise books is sh.6000, Find the cost of $\frac{2}{3}$ of a dozen of similar exercise books	16	Mawuuzi was given five notes of sh. 5000 denomination. He bought a cloth of sh. 17200 and was given a discount of sh.350. Find his change.

17	Find the difference of first and third equivalent fractions of $\frac{1}{4}$	18	Given $B = \{5, 8, 9, 17\}$ $A = \{\text{All even numbers} < 18\}$ Find $n(A \cup B)$
19	How many $\frac{1}{4}$ litre cups of tea that can fill 17 litre cattle?	20	Find the sum of even numbers in the serie 1,, 27, 64, 125.

SECTION B (60 MARKS)

21	<p>Given that set $A = \{2, 4, 6, 7, 9, 15\}$ and set $B = \{\text{All triangular numbers less than } 19\}$ a) Represent the above information in the Venn diagram below (3 marks)</p> <div data-bbox="319 1344 766 1680" data-label="Diagram"> </div> <p>b) Find $n(A \cup B)$ (2 marks)</p>
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22	<p>Nakabuye made the following manila cards</p> <div style="display: flex; justify-content: center; align-items: center; gap: 20px; margin: 10px 0;"> <div style="border: 1px solid black; border-radius: 50%; width: 60px; height: 60px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">7</div> <div style="border: 1px solid black; border-radius: 50%; width: 60px; height: 60px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">0</div> <div style="border: 1px solid black; border-radius: 50%; width: 60px; height: 60px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">5</div> </div> <p>a) Form the smallest 3 digit number using the above digits from her number cards (2 marks)</p> <p>b) Find the difference of the smallest odd number and the largest even number formed using her digits. (3 marks)</p>
23	<p>a) Express 17 in a binary base system. (2 marks))</p> <p>b) Work out the value of 6 in 76343_{nine}. (1 mark)</p> <p>c) Work out $123_{\text{five}} + 32_{\text{five}}$ using abacus. (2 marks)</p>
24	<p>a) Round off 25434 to the nearest hundreds. (2 marks)</p>

	b) Expand 2334 using place values
	c) What is the place value of 8 in 87907?
25	<p>a) Using a pair of compasses, ruler and a sharp pencil only. Construct an equilateral triangle in a circle of radius 4cm. (3 marks)</p> <p>b) Elizabeth moved around the figure drawn above thrice, how far did he cover? (2 marks)</p>
26	<p><i>Anyango went shopping and bought the following items. Study them carefully and answer questions that follow.</i></p> <p><i>2 kg at sh. 5000</i> <i>A kilogram of Irish potatoes at sh.3000</i> <i>3 litres of cooking oil at Sh.4500 per litre.</i></p> <p>a) Find her total expenditure. (3 marks)</p>

	b) If she was given a change of sh. 5600, how much did she have at first? (2 marks)
27	<p>a) Work out: $3\frac{1}{2} + \frac{4}{5}$ (2 marks)</p> <p>b) Anatalia did $\frac{2}{3}$ of her home work in evening and $\frac{1}{4}$ in the morning, Find the fraction of the work she didn't complete. (2 marks)</p> <p>c) Find the $\frac{1}{3}$ of 15 cows. (1 marks)</p>
28	<p>Study the figure below carefully and answer questions that follow.</p> <div data-bbox="339 1238 770 1471" data-label="Image"> <p>A 3D rectangular prism is shown. The front horizontal edge is labeled '7 dm'. The receding edge on the right is labeled '3 dm'. The vertical edge on the right is labeled '5 dm'. The right side face, which is a rectangle with dimensions 3 dm by 5 dm, is shaded grey.</p> </div> <p>a) Find the number of;</p> <ol style="list-style-type: none"> Faces..... Edges..... Vertices..... <p>b) Calculate the area of the shaded part.</p>

28	<p>a) Solve for x: $2x = 18$. (2 marks)</p> <p>b) Elizabeth is y years old and Namakula is 12 years old. If their total age is 23, how old is Elizabeth? (2 marks)</p>						
29	<p>a) Subtract:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Hours</th> <th style="text-align: left;">Minutes.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">43</td> </tr> <tr> <td style="text-align: center;">- 3</td> <td style="text-align: center;">56</td> </tr> </tbody> </table> <p style="text-align: right;">(2 marks)</p> <p>b) Mubiru sleeps at 7: 30 pm and wake up at 9 : 45 pm , For how long does he sleep? (2 marks)</p> <p>c) Change $7\frac{2}{3}$ hours to minutes. (2 marks)</p>	Hours	Minutes.	4	43	- 3	56
Hours	Minutes.						
4	43						
- 3	56						
30	<p>At Starlight Parents' School, there are 7 classes. Head teacher bought 49 books and shared them equally to each class.</p> <p>a) How many books did each class get? (2 marks)</p> <p>b) If head teacher bought each book at sh. 7000, how much did head teacher pay for each book? (2 marks)</p>						

- 31** The table below shows the number of balls which was given to each house at Starlight Parents' School. Study it carefully and answer questions that follow.

House	Number of balls
Matthew	    
John	  
Mark	      
Luke	  

 represents 3 balls

- Which house got the least number of balls? (2 marks)
- Which two houses received the same number of balls? (1 mark)
- How many more balls did Mark receive than Matthew? (2 marks)
- Find the total number of balls which was given out to all houses. (2 marks)

- 32**
- Find the LCM of 8 and 9 (2 marks)
 - Prime factorise 24 and represent your answer in set notation. (2 marks)
 - Which number was Prime factorised to give $2^2 \times 3$? (1 marks)

YOU ARE THE GIANT, BE STRONG AND GOD FEARING