

END OF YEAR EXAMINATIONS
Uganda Certificate of Lower Secondary Education
Mathematics Paper S.1

TIME : 2 hours

STUDENT'S NAME: _____ STREAM.....

INSTRUCTIONS:

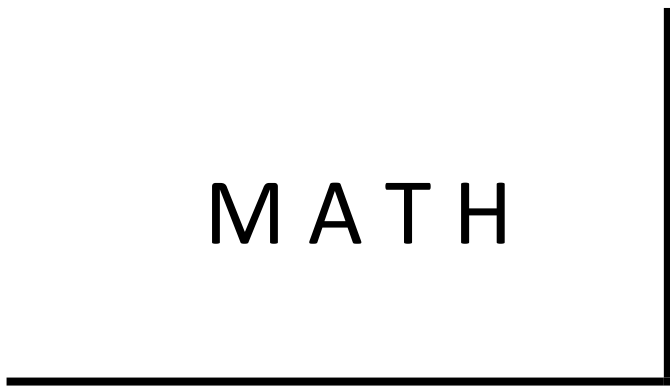
- Answer all the questions in section A and Each question in section A carries 4 marks

Section A (40 MARKS)

1. ELon Musk, this month of October 2022 paid 44 billion dollars to purchase twitter. If he got 60% of the money from selling his assets and rest from a bank loan. What is the value of money he got from selling his assets and Bank in figures?

Sell of his assets	Bank

2. Reflect the words below through the mirrors provided to give the two images.



3. Given that a commercial bank gives loans at interest of 10% p.a, A school borrows 12,000,000/= to buy computer laboratory equipment for the growing numbers. And it hopes to pay in 2 years how much money will they pay back to the bank.

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4. Which type of data is displayed below? Create a tally chart out of it.

10	19	17	14	11	18	16	17	18	16	15	15	20
15	13	12	14	15	16	18	19	20	11	10	12	14

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5. Find the Sum and product of the LCM and GCF of 12 and 20.

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6. Form an equation of line given these coordinates $(2, 4)$ and $(-2, -8)$.

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7. In a hospital, a doctor checks a patient after every 36 minutes while a nurse checks on the same patient after every 24 minutes. If they last checked on the patients together at 10:00am, at what time will they next check the patient together?

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8. If you were travelling from mbale to kampala, and after covering $\frac{1}{2}$ of the distance, you rest in jinja, after an extra $\frac{1}{4}$ of the distance you rest in lugazi. What is the remain distance if the total distance is 44Km?

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9. For every book sold, a sales man gets 5% commission. If on a good day. He sales 45 books and each book is 30,000. Find the commission earned by the sales person on that day.

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10. A entry fee at a national park is 20,000/= and the cost per night is 50,000/=. Formulate an equation and use it to find how much is spent after staying a fortnight?

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Section B (35 Marks)

(pick **one** from question from **11 and 12** and **one** question from **13 and 14**)

11. A learner is given points A(-4, 1) ,B (-6, -2), C (-6,-4) and D (-2, -4).

- (a) Plot the coordinates above.
- (b) Draw a line $y = -x$ and reflect the figure through that line.
- (c) State the co-ordinates of the image.

(10 marks)

12. Anaku is distributing 60 books to her four children. Muiyi got 12%, Nasike got 15%, Wamono got 33% and Wanene got the remainder of the books.

- a) What percentage did Wenene get and how many books?
- b) If Anaku bought each book at 2000 each. Was given a discount of 10% for all the cost of books. Find how much she paid for books?
- c) If the book shop bought the books at 1200 each. Find the profit they made.

(10 marks)

13. Below is table showing the price of petrol for the months of January to July in Uganda.

Month	Jan	Feb.	Mar	Apr	May	Jun	July
Price(UGX)	3000	3200	4500	5000	5400	6500	6000

- a) Draw a Bar graph to represent the information above
- b) If a school has trips in months of May and June. Covering distances of 12Km and 20km respectively. If a school van consumes (uses) one litre for every 4km. what will be the total cost price of petrol to be used in the School Bus? **(15 marks)**

14. The caterer of a school located in kira Municipality is required to buy food stuffs for a school party. The foodstuffs to be bought include: 100 kg of rice, 150kg of meat and 200kg of Irish potatoes. The cost is UGX 4000, UGX18,000, and UGX1500 per kg of rice, meat and Irish potatoes respectively in the market.

- (a) Using the information provided above, how would the caterer decide on where to do the shopping from? Justify your answer. **(15 Marks)**

END