

GLOBE EDUCATIONAL CONSULTANCY (GEC)–KAMPALA



P.5 MIDTERM II EXAMINATION 2023 MATHEMATICS

Time Allowed: 2 hours 30 minutes

Name:

Stream: Date:

School:

District Name:

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

1. This paper is made up of section A and B.
2. Section A has 20 short answer questions (40 marks).
3. Section B has 12 questions (60 marks).
4. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written in blue ink and diagrams should be drawn in pencil.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. No calculators are allowed in the examination room.
9. Do not write anything in the boxes indicated: **"FOR EXAMINERS' USE ONLY"**.

FOR EXAMINERS' USE ONLY	
SECTION	MARKS
A (Qns 1 - 20)	
B (Qns 21 - 32)	
TOTAL	

TEL.: +256 705 917 059/+256 774 594 329

EMAIL: agreatteacheras@gmail.com

Educating to Transform

Turn Over

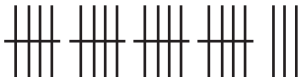
SECTION A: 40 MARKS

1. Work out: $\frac{1}{5} + \frac{2}{5}$

2. Write XXVII in Hindu Arabic numerals.

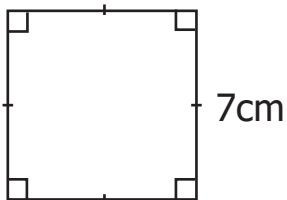
3. Find the next number in the sequence below.
3, 6, 9, 12, _____.

4. Write the number shown below in words.

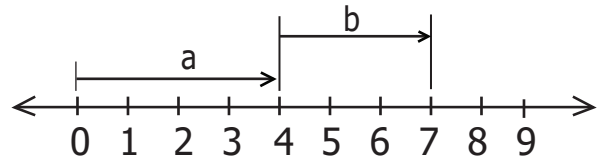


5. Multiply:
$$\begin{array}{r} 148 \\ \times 11 \\ \hline \end{array}$$

6. Calculate the perimeter of the figure below.



7. Write the two integers shown by the arrows.



a = _____ b = _____

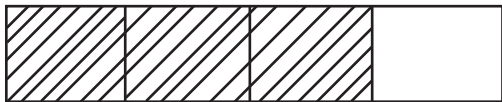
8. Add: Weeks Days
2 4
+ 1 4

9. Solve for P:
 $p + 1 = 5$

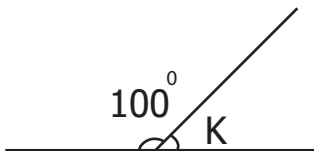
10. Write 4036 in words.

11. The cost of a pencil is sh. 700.
Find the cost of 5 similar pencils.

12. Write the shaded fraction below.



13. Find angle K in the diagram below.



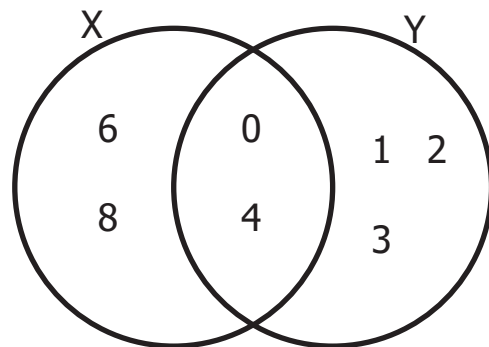
14. If $a = 3$, $b = 5$. Find the value of:

$$\frac{a + b}{2}$$

15. Change 14_{five} to base ten.

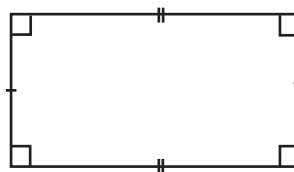
16. A meeting started at 9:40 am and ended at 11:30. How long did the meeting take?

17. Study the Venn diagram below carefully.



Find XUY

18. How many lines of folding symmetry does the figure below have?



19. Change $3\frac{1}{4}$ into an improper fraction.

20. How many 500 shillings coins can be exchanged for a 2000 shillings note?

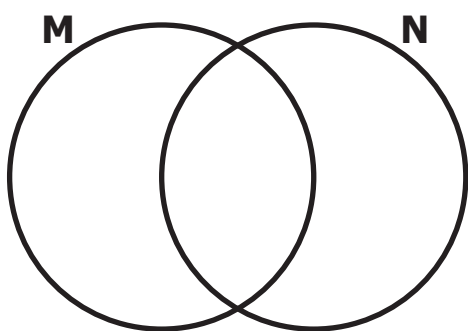
SECTION B (60 MARKS)

<p>21. a) Find the L.C.M of 6 and 8. (3 marks)</p> <p>b) Write down all the factors of 12. (2 marks)</p>	<p>23.</p> <p>a)</p> <p>b)</p>	<p>In a team of 16 players, $\frac{3}{8}$ of them are girls and the rest are boys.</p> <p>Find the fraction of the boys in the team. (2 marks)</p> <p>How many girls are in the team? (2 marks)</p>
<p>22. Amanda had sh. 30,000 and bought the following:</p> <p>2 bars of soap at sh. 6,000 each.</p> <p>3 kg of sugar each at sh. 5,000.</p> <p>$\frac{1}{2}$ litre of milk at sh. 4,000 per liter.</p> <p>a) Find her total expenditure. (4 marks)</p> <p>b) How much money did Amanda remain with? (1 mark)</p>	<p>c)</p> <p>24.</p> <p>a)</p>	<p>How many more boys than the girls are there in this team? (2 marks)</p> <p>Simplify: $4k + 2y - k + y$. (2 marks)</p>

- b) Solve for m. (2 marks)
- $$m + 4 = 6$$

25. Given that set $M = \{a, b, c, d, e, f\}$,
set $N = \{b, a, s, k, e, t\}$.

- a) Represent sets M and N on the Venn diagram below. (3 marks)



- b) Find $N \cap M$. (1 mark)

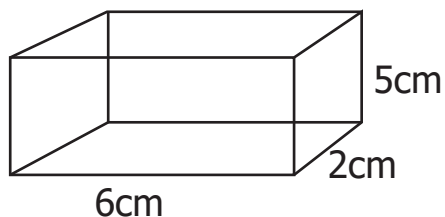
- c) Find $n(M \cup N)$. (1 marks)

26. a) Expand 7142 using values (2 marks)

- b) Find the sum of the value of 6 and the value of 4 in the number 3648. (3 marks)

<p>27. Using a ruler, a pencil and a pair of compasses only, construct a square ABCD of side 4cm. (4 marks)</p>	<p>28.</p>	<p>a) Change 5 hours to minutes. (2 marks)</p>
<p>b) Work out the area of the square ABCD above. (2 marks)</p>	<p>b)</p>	<p>A car travels 60 km in 1 hour. How many kilometers can it cover in 2 hours? (2 marks)</p>

29. Study the figure below carefully.



a) Find the number of: (3 marks)

i) Vertices _____

ii) Edges _____

iii) Faces _____

b) Work out its volume in cm^3 (2 marks)

30. a) Work out: $8935 - 492$. (2 marks)

b) Divide: $5 \overline{)3240}$ (2 marks)


31. a) Simplify: $+2 + 1 =$ (1 mark)





b) Add: $3 + 5$ using the numberline below.

(3 marks)



c) Jane had 6 pens and she lost 2 of them, how many pens did she remain with? (2 marks)

32. Given that  = 3 apples, copy and complete the picture graph below showing the number of apples owned by each child. (5 marks)

Names	Pictures	No of apples
Kato		12
Marion	 	_____
John		15
Martha		3
Moses	 	_____

END