KOLFRAM EDUCATIONAL SERVICES KAMPALA

MIDTERM II EXAMINATION 2023

PRIMARY SIX

MATHEMATICS

Time allowed: 2 hours 30 minutes

Index Number:	Random Number				Personal Number		
Candidate's Name:			•				
Candidate's Signature:_					 		
School Name:					 		
District Name:					 		

DO NOT OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO

Read and follow these instructions carefully:

- This paper has two sections: A and B. Section A has 20 questions and section B has 12 questions. The paper has 7 printed pages.
- 2. Answer all questions. **All** answers to both sections **A** and **B** must be shown in the spaces provided.
- 3. All answers must be written using a **blue** or **black** ball point pen or ink. Any answer written in pencils other than on graphs and diagrams will not be marked.
- 5. No calculators are allowed in the examination room.
- 6. Unnecessary changes in your work and handwriting that cannot easily be read may lead to **loss of marks**.
- 7. Do not fill anything in the table indicated: **"FOR EXAMINERS' USE ONLY"** and boxes inside the question paper.

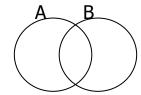
FOR EXAMINERS USE ONLY							
QN. NUMBER	MARKS	EXAMINER'S INITIAL					
1-5							
6-10							
11-15							
16-20							
21-22							
23-24							
25-26							
27-28							
29-30							
31-32							
TOTAL							

SECTION A: (40 MARKS)

1. Work out: 63 + 76

4. Simplify: $\frac{5}{12} + \frac{1}{12}$

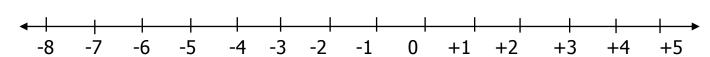
2. Shade the region A - B



3. Write in words: 20375

5. A dice was tossed once. Find the probability of an even number showing on top.

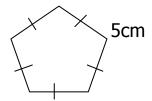
6. Use a numberline to work out: $^{-3} + ^{-4}$



- 7. What is the next number in the sequence:
- 1, 4, 9, 16, ____

9. Divide 1515 by 5

8. Find the perimeter of;

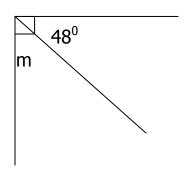


10. A goat was bought at Sh. 20000. It was sold at a profit of Sh. 4000. What was the selling price?

- 11. The President arrived at Entebbe at 8.50a.m. and left for Tanzania at 11:15a.m. For how long did the President stay at Entebbe?
- 15. Find the median of 3, 0, 7, 6, 11, 12

- 12. Find the LCM of 8 and 9.
- 16. One book costs Sh. 650. Find the cost of 5 similar books.

13. Find the value of angle marked m.



17. Work out: 3 + 4 = ____ (Mod 5)

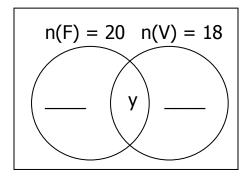
14. Express 4½ kg as grams.

18. Use a ruler, pencil and a pair of compasses only to construct an angle of 60° .

- 19. Solve: 3x 5 = 10
- 20. Work out: 4 8 + 5

SECTION B: (60 Marks)

- 21. In a group of 30 pupils, 20 pupils like football (F), 18 pupils like Volley ball (V) while y pupils like both games.
- (a) Represent the above information on a Venn diagram. (2 marks) $n(\xi) = 30$



(b) How many pupils like both games?

(2 marks)

(c) Find the number of pupils who like only one type of game. (2marks)

22. Moses went shopping with Sh. 50000 and bought the following items:

2 ½ kg of sugar at Sh. 3000 per kg 3kg of meat at Sh. 8000 per kg 3 bars of soap at Sh. 7500 500gms of salt at Sh. 1000 per kg (a) Calculate the total expenditure.

(4 marks)

(b) Find his balance.

(2 marks)

23. The table below shows Muliisa's mark in End of month examinations.

Subject	Eng	Mtc	Scie	SST	R.E
Marks	60	75	60	65	70

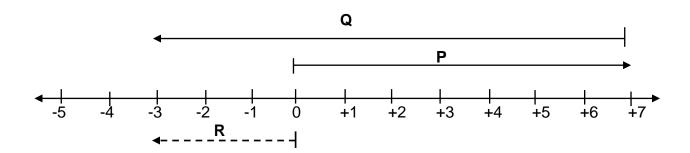
- (a) Find the range. (c) What is the median mark? (1 mark)

 (b) Find the modal mark. (d) Calculate the mean mark. (2 marks)
- 24(a) Using a ruler and a pair of compasses only, construct an equilateral triangle PQR in a circle of radius 4cm. (3 marks)

(b) Measure the length of line QR.

(1mark)

25. Study the number line below and answer questions that follow.



- (a) What integers have been represented by; (1 marks @)
 - (i) P _____
 - (ii) Q _____
 - (iii) R _____
- (b) Write down the mathematical statement shown above. (1 mark)
- 26. Given the digits 3, 1, 7, 6 and 4.
- (a) Form the smallest number using the digits. (1 mark)
- (b) Form the biggest number using the digits. (1 mark)

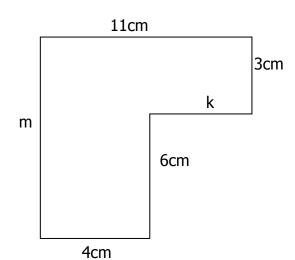
(c) Find the difference between the biggest and smallest numbers formed. (2 marks)

- Given that a = 4, b = 3, c = 2Calculate the values of: 27.
- (a)
 - (i) <u>a b</u> c

(ii) 2a + 3c

Solve: 3p + 5 = 20(b)

- (2 marks @)
- 28. Study the figure below and answer the questions that follow.



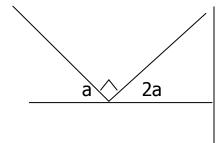
- Find the value of; (1mark@) (a)
 - (i) k
 - (ii) m

- Calculate the area of the figure above. (b)
- (3 marks)

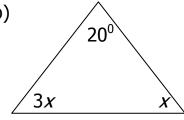
29 Calculate the values of the unknown angles.

(2 marks @)

(a)



(b)

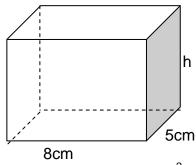


- 30. At Hafiswa's birthday party 100 guests were invited. 3/5 of the invited guests were females and the rest were males.
- (a) Find the number of female guests invited. (2 marks)
- (b) How many more females than males were invited? (2 marks)

(c) What fraction of the guests was for males?

(2 marks)

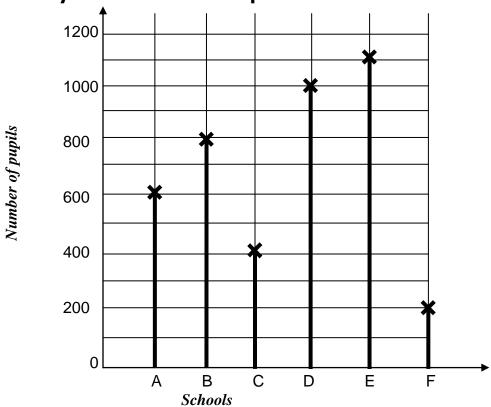
31. Study the figure below and use it to answer the questions that follow.



The area of the shaded face is 20cm².

- (a) Find the value of h. (2 marks)
- (b) Calculate the volume of the figure. (2 marks)

32. The graph represents the number of pupils in different schools. Study it and answer the questions that follow.



- (a) How many pupils are there in school A? (1 mark)
- (c) How many pupils are there in school E? (1 mark)
- (b) How many pupils are there in school C? (1 mark)
- (d) How many pupils are there in the first three schools A, B, C? (1 mark)