

KAMPALA PRIMARY SCHOOLS'

SKYLINE ASSESSMENT

END OF 1ST (FIRST) TERM 2023
PRIMARY SEVEN

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.

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Candidate's Name:

Candidate's Signature:

School Name:

District Name:

DO NOT OPEN THIS BOOK LET UNTIL YOU ARE TOLD TO DO SO.

FOR
EXAMINERS'
USE ONLY

Read the following instructions carefully;

1. The paper has two Sections: A and B.
2. Section A has 20 short questions (40 marks).
3. Section B has 12 questions (60 marks).
4. Attempt **ALL** questions. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using blue or black ball point pen or ink. Only diagrams and graphs work may be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated for examiners' use only.

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Qn. No.	MARK	SIGN
1 - 4		
5 - 8		
9 - 12		
13 - 16		
17 - 20		
21 - 23		
24 - 26		
27 - 29		
30 - 32		
TOTAL		

SECTION A: 40 MARKS

Questions 1 to 20 carry two marks each.

1. Find the sum of 21 and 379.

2. Write in words the number 27807.

3. The price of a shirt in a super market was reduced by 20% to Shs.9,600/=. What was the price before reduction?

4. Simplify: $4(K + 1) - 3(K + 2)$

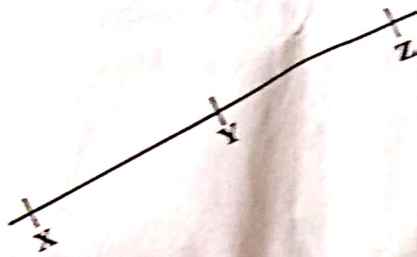
5. Convert 25 to base binary.

6. Jane is six times as old as her son Musa. If the product of their ages is 150 years. What is the age of Musa?

7. If n represents 20minutes, find the time $(3n + 15)$ minutes before 12:05p.m.

8. Write the number 8967 corrected to the nearest hundreds.

9. In the space given below, construct a perpendicular line to XZ at Y.

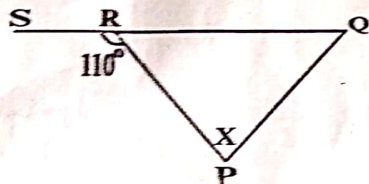


10. Find in Roman numerals, the difference between CDXLV and CXCVIII.

11. In a running competition, Bindo covered 6Km and 36m. Express the distance he covered in metres.

12. What is the value of n if:
 $2 + n = 1(\text{mod}5)$

13. In the diagram, $PQ = PR$, find the size of angle X .



14. Express $\frac{3}{25}$ as a decimal.

15. What is 0.00864 in standard notation?

16. By striding 20cm or 18cm, Aliga takes an exact number of steps to cross the road. How wide is the road Aliga crossed?

17. 6 men slash a field in 20 minutes. How long will 4 men take working at the same rate?

18. A motorist covers a distance of 90Km between 12:15p.m. and 1:45p.m. Find his speed in Km/hr.

19. The interest on Shs.16,000/= for 2years at the rate of X% per year is Shs.2,560/=. What is the value of X?

20. A complete jerrycan contains 20 litres of water. When 20 bottlefuls are drawn off, it becomes one-third full. Find the number of bottlefuls in a complete jerrycan.

SECTION B: 60 MARKS

21. (a) Work out: $\frac{0.48 \times 0.36}{0.096}$

(3 marks)

(b) Simplify: $\left(\frac{1}{4} \times 1\frac{1}{2} \div \frac{3}{4}\right)$

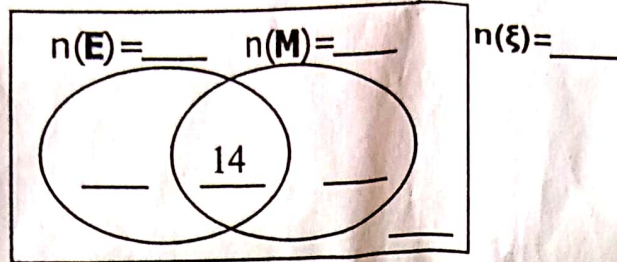
(3 marks)

22. In a club of 72 people, $\frac{3}{4}$ of the members ate meat, $\frac{2}{3}$ of the remainder of the members ate fish, the rest of the members ate chicken. How many members ate chicken? (3 marks)

23. In a class of 40 pupils, 30 pupils like Mathematics $n(M)$, 20 like English $n(E)$. If 14 like both subjects and the rest like other subjects.

(a) Represent the above information on the Venn diagram below.

(3 marks = $\frac{1}{2}$ Mark each)



(b) Find the number of pupils who like English only or Maths only or both subjects.

(2 marks)

(c) How many pupils dislike English?

(2 marks)

24. A teacher who gives extra lessons in Maths charges Shs.2,000/= for the first hour and Shs.800/= for every additional hour.

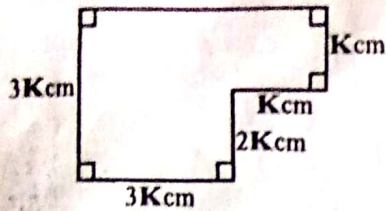
(a) For how many hours does he charge Shs.4,000/=?

(3 marks)

(b) How much money does he charge for 6 hours?

(2 marks)

25. (a) The area of the polygon in the diagram is 160cm^2 . Calculate the value of K . (4 marks)



(b) What is the perimeter of the figure? (2 marks)

26. The table below shows the results obtained by P.7 pupils in a Maths test.

Marks scored	70	40	80	60
No. of pupils	2	3	1	4

(a) How many pupils did the examinations? (2 marks)

(b) What is the mean mark? (2 marks)

(c) Find the modality frequency. (1 mark)

27. (a) In a P.7 class, 40% of the pupils passed the Mathematics test. If 36 pupils passed, find the number of pupils who failed Mathematics. (3 marks)

(b) Find the simple interest on Shs.80,000/= for 9months at the rate of 4% per year. (2 marks)

28. Complete Kabazira's shopping bill table below.

(6 marks)

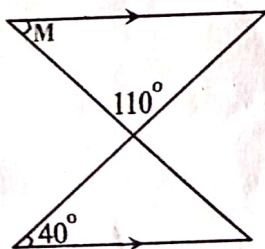
ITEM	QUANTITY	Unit Price	Amount
Sugar	1½Kg	Shs.4,600/=	Shs. _____
Bread	2 loaves	Shs. _____	Shs.9,600/=
Milk	_____ Litres	Shs.3,000/=	Shs.12,000/=
Rice	3Kg	Shs. _____	Shs.12,600/=
Meat	500gm	Shs.14,000/= @ Kg	Shs. _____
TOTAL			Shs. _____

(b) If Kabazira had one fifty thousand shilling note, what was her change?

(2 marks)

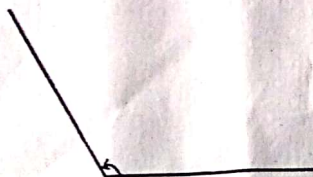
29. (a) In the diagram given below, find the size of angle M.

(2 marks)



(b) Measure the size of the angle below.

(1 mark)



30. A rectangular block of wood measures 12cm by 6cm by 5cm. Each cubic centimetre weighs 0.8gm. Find the weight of the block in kilograms. (4 marks)

31. Keji, Aliga and Dusman divided £4,800/= in the ratio of 2:3:5 respectively.

(a) How many pounds did Aliga get?

(3 marks)

(b) How many less pounds was received by Keji than Dusman?

(2 marks)

32. With the help of a ruler, a pencil and a pair of compasses *only*, construct a regular six sided figure of radius 4cm. (4 marks)