KAMPALA PRIMARY SCHOOLS'
SKYLINE ASSESSMENT
END OF 1ST (FIRST) TERM 2024
PRIMARY SEVEN

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.

Candidate's Name:..

Candidate's Signature:...

School Name:...

District Name:..

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

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.

Turn Over

FOR EXAMINERS' USE ONLY		
Qn. No.	MARK	SIGN
1 – 4		
5 – 8		
9 – 12		
13 – 16		
17 – 20		
21 – 23		
24 – 26		
27 – 29		
30 – 32		
TOTAL		

FOR EXAMINERS' USE ONLY

SECTION A: 40 MARKS

Questions 1 to 20 carry <u>two</u> marks each.

1. Subtract: $41 - 29$	2. Calculate the difference between the values of 6 and 9 in 68937.

3. Keno deposited Shs.500,000/= in Centenary Bank for ⅓ years at a rate of interest of 5% per month. How much money did he return to the bank?

4. Simplify $\left(\frac{1}{3} + 1\frac{1}{2} \text{ of } \frac{8}{9}\right)$	5. 10 books cost Shs.8,000/=. Find the cost of 6 similar books.

6. (a) Work out the L.C.M of 8, 12 and 16.

(b) Reduce 8000 eggs in the ratio 2:5.

7. Find the length of the side of a square whose perimeter and area are equal.	8. Find the mean of $2K+7$, 10 and $4+K$.

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P.7 M...
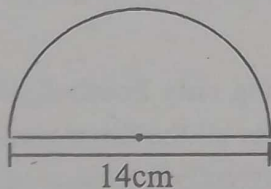
9. Using a ruler, a pencil and a pair of compasses *only* construct an angle of 75^0.

10. Two bells ring at the intervals of 30minutes and 45minutes respectively. If they ring together at 7:15a.m. When will they ring together again for the third time?

11. Desman left Entebbe at 10:30a.m. and reached Jinja at 1:40p.m. of the same day. How long did his journey take?	12. Add **x** to **y** and subtract $2y - 3x$ from the result.

13. What is the distance around the given shape below?

14cm

14. If n(**A**) = 8, n(**B**) = 9 and n(**A** ∩ **B**) = 5 What is n(**A** ∪ **B**)?	15. Multiply: 111_{two} by 101_{two}

16. When a shopkeeper sells a shirt for Shs.30,000/= he makes a gain of 20%. Work out what he paid for the shirt.
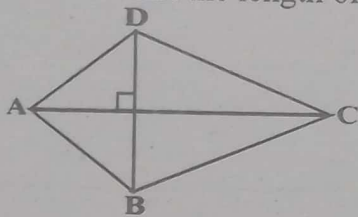
17. (a) Write the number whose scientific notation is 8.356×10^3

(b) Electric poles are placed 20metres apart along a straight road. If the road is 800metres long, how many poles are there?

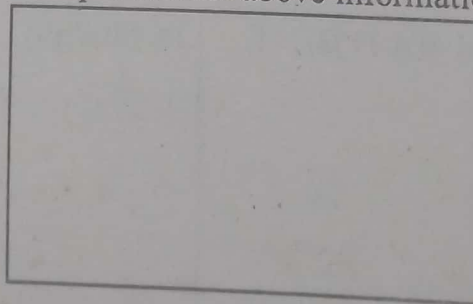| 18. Find the range of ⁻8 and ⁻4.	19. Solve: $3n - 4 = 5n$

20. Given that the length of AC = 16cm and BD = 12cm. What is the area of figure ABCD?

SECTION B: 60 MARKS

21. In a club of 45 pupils; they all like Football (F), 8 like playing only Football, 20 pupils like Tennis n(T), 25 pupils like Hockey n(H) and X pupils like all the three games.
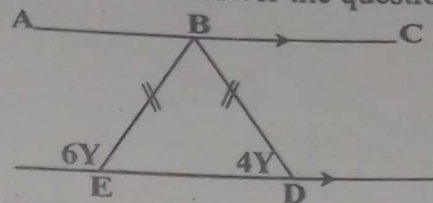(a) Draw a Venn diagram to represent the above information correctly. (3 marks = ½ Mark each)

(b) Find the number of pupils who like playing all the three games. (2 marks)

(c) How many pupils play two games? (2 marks)

22. Use the diagram given below to answer the questions that follow.

(a) What is the value of **Y**? (3 marks)

(b) Find the size of angle **ABD**. (2 marks)

23. A market vendor bought 50 bunches of Matooke at Shs.10,000/= each. She sold each of them at a loss of Shs.1,000/= per bunch.

(a) Find her total cost. (2 marks)

(b) How much money did she lose on Matooke? (2 marks)

(c) Calculate her percentage loss. (2 marks)

24. A string 10 metres long is divided as follows: 2 pieces each of 1m 23cm long, 5 pieces each of 84cm long, and 4 pieces each of 27cm long. If the remainder is divided into 4 pieces of equal length. Find the length of each piece. (3 marks)

25. (a) Write down all the numbers containing two digits chosen from the set {2, 3, 4} with no digit repeated. (3 marks)

(b) If a number is chosen at random from those you have written down in 25.(a) above, what is the probability that it is divisible by 2? (1 mark)

26. (a) Using a ruler, a pencil and a pair of compasses *only*, construct a triangle **ABC** such that angle **ABC** = 75⁰, angle **BAC** = 30⁰ and side **AB** = 8cm. Construct a perpendicular line from **C** to meet **AB** at **D**. (4 marks)
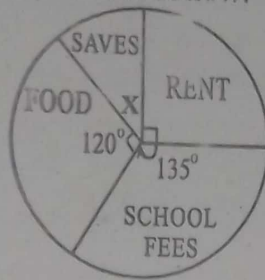
(b) Measure length of **CD**. (1 mark)

27. The electric meter reading at the beginning of the month was 0646754 units and at the end of the month was 0649837.

(a) How many units were used during the month? (2 marks)

(b) The cost of each unit is Shs.960/=. How much money did the family spend on electricity in that month? (2 marks)

28. The pie-chart below shows Mr. Dumb 's family spends its monthly income. Use it to answer the questions that follow.

(a) Given that the family saves Shs.10,000/= a month. How much money does it earn?
(2 marks)

(b) Work out the amount of money the family spends on Fees. (2 marks)

(c) How much more money does the family spend on Food than on Rent? (2 marks)

29. Mudecha drove from Kampala to Bugiri at a speed of 60Km/hr for 2 hours. He then continued to Busia at the same speed for 3 hours.
(3 marks)
(a) Find the distance he covered altogether.

(2 marks)
(b) Calculate his average speed for the whole journey.

30. Five children did Mathematics exercises and scored these marks: 12, 15, 10, 11, 12
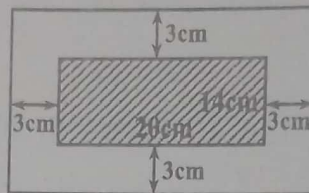(3 marks)
(a) What is their mean mark?

(b) Find their median mark.

(c) If the sixth pupil scored y marks and the average mark of the six children becomes 15. Work out the value of y.

31. The diagram below represents a photograph 20cm by 14cm mounted on a frame leaving a margin of 3cm wide on all the sides.

(a) Find the length and width of the frame.

(b) Work out the **area** of the margin.

32. The number of men treated in Kochwe hospital in one month was 400. The number of girls was two and a half times that of men and the number of boys was 100 more than that of girls. If the number of women treated was 120 more than that of men, how many people were treated at Kochwe hospital in that month?