KAMPALA PRIMARY SCHOOLS' SKYLINE ASSESSMENT

END OF 2ND (SECOND) TERM 2024

PRIMARY SIX (P.6)

MATHEMATICS

TIME ALLOWED: 2 HOURS 30 MINUTES

DATE: _____

NAME: _____

SCHOOL: _____

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

Read the following instructions carefully.

1. The paper is made of section 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 Section A and B must be written in the spaces provided.

5. All answers must be written in 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.

FOR OFFICIAL USE ONLY.

SECTION	EXRS. MARKS	T/L MARKS	OFFICE
A			
B			
TOTAL			

(c) What is the size of the larger angle between North and South East? *(2 marks)*

25. Given that Mary is 11 years old, Denis is 12 years old, Mudubira is 8 years old and Alice is 13 years old.

(a) What is the average age of the above children? *(2 marks)*

(b) The mean weight of 6 men is 40Kg. Find their total weight. *(2 marks)*

26. Use the symbols <, > or = to complete the statements below: *(4 marks each)*

(a) $6 + 5$ _____ $5 + 6$

(b) 3×8 _____ 7×3

(c) $72 \div 9$ _____ 2×4

(d) $16 - 7$ _____ 3×2

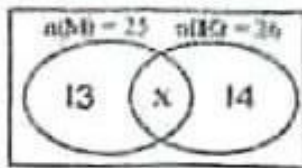27. (a) Work out: $\dfrac{2}{3} + \dfrac{3}{4} =$ *(2 marks)*

(b) Mujuzu had $3\frac{1}{2}$ sweets. He gave $1\frac{1}{4}$ of them to Alice. What fraction of sweets did he remain with? *(2 marks)*

(c) Divide $\dfrac{1}{4} \div 9 =$ *(2 marks)*

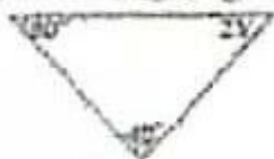9. Study and use the diagram below to find the value of X

n(M) = 25 n(G) = 26

$$13 \quad (X) \quad 14$$

10. Using a ruler, a pencil and a pair of compasses only, draw and angle of 150°

11. Find the sum of the next two numbers in the sequence: 2, 3, 5, 7, 11, ___, ___	12. Decrease 1200Kgs by 40%.

13. The probability that Jane will go for a tour to Mombasa is $\frac{3}{8}$. Find the probability that she will not go for the tour.

14. A test began at 8:30am and lasted for 2½ hours. At what time did it end?	15. Two numbers have an LCM of 120 and GCF of 10 respectively. If one of the numbers is 40, find the 2nd number.

16. Use the figure given below to find the value of Y

1. Work out: $24 + 8$
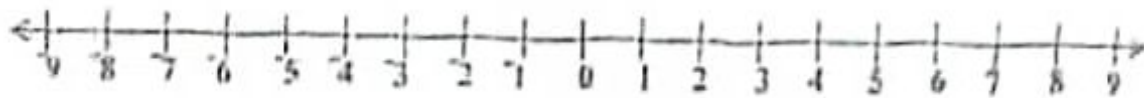
2. Simplify: $^-6 - ^-8$

3. How much money will yield an interest of Shs.400/= at a rate of 5% per annum for a period of 2 years?

4. Simplify: $9x - 6y - 5x - 5y$.

5. Work out: $\dfrac{3}{4} - \dfrac{2}{3} + \dfrac{1}{2}$

6. Given that ⬤ ⬤ represents 7 balls. Draw diagrams to represent 42 balls.

7. Write 2357 in words.

8. The number of pupils in a school raised in the ratio of 5:3, find the current number of pupils if they were 60 pupils in the school.

(b) Work out $^-8 + ^-3$ using the number line given below

23. In a factory, there are 20% more male workers than the female workers.
(a) If the female workers are 48, how many workers are in the factory? (2 marks)

(b) Express the number of female workers as a ratio of the male workers. (2 marks)

24. (a) Reduce 240 goats in the ratio 3:5. (2 marks)

(b) Zaleya shared Shs.80,000/= between her son and daughter in the ratio 5:3 respectively. How much money did each child receive? (2 marks)

25. The graph below shows how Zziwa spends his family's monthly income of Shs.360,000/= Use it to answer the questions that follow.

(a) Find the size of angle X. (2 marks)

(b) What amount of money does he spend on food? (2 marks)

(c) What percentage of the family's income is saved? (2 marks)

26. The table below represents marks scored by P.5 children in a Mathematics test. Use it to answer the questions that follow.

MARKS	70	90	80	60
No. of pupils	2	1	3	4

(a) Calculate the median mark of the class. (1 mark)

(b) How many pupils did the mathematics test? (2 marks)

(c) Work out the mean mark of the class.

(a) Simplify: $\dfrac{0.96 \times 0.024}{0.4 \times 0.012}$ (3 marks) (b) Work out: $56.46 + 3.9$

28. Musiitwa began his journey at 10:30a.m. moving at a steady speed of 60km/hr from his home and reached where he works at 1:00p.m.

(a) Calculate the time he spent on the way. (2 marks)

(b) What is the distance between his home and his work place? (2 marks)

29. Kamulali went shopping in a supermarket and bought the following items below:
(a) Complete the table. (5 marks → 1 mark each)

ITEM	QUANTITY	UNIT COST	TOTAL COST
Sugar	3½Kg	Shs.4,000/=	Shs. _____
Soap		Shs.5,000/=	Shs.10,000/=
Rice	2Kg	Shs. _____	Shs.7,200/=
Posho	2½Kg	Shs. _____	Shs.5,000/=
		TOTAL	Shs. _____

If he received a change of Shs.800/= from the cashier, how much money did he have the beginning? (1 mark)

30. (a) Express 132_{five} in base three.

(2 marks)
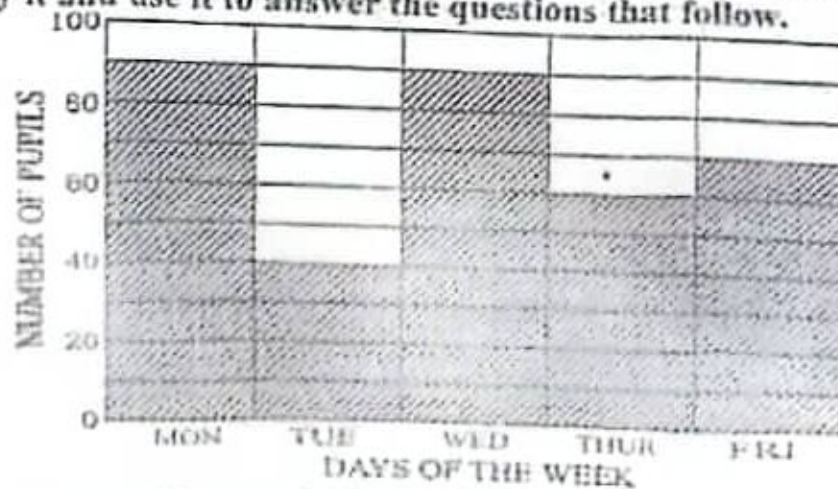
(b) Add: $111_{two} + 101_{two}$

31. Given the numeral 5683:

(a) Expand the above numeral using place values.

(b) What is the quotient of the value of 6 and the place value of 8 in the given numeral

(2 m)

32. The graph below shows the attendance of pupils in a week. Study it and use it to answer the questions that follow.

(a) How many pupils were absent on Thursday?

(2 marks)

(b) What is the modal attendance of the graph?

(1 mark)

(c) Find the average attendance in the week.

17. Find the value of X: $21_x - 111_{two}$	18. If the cost of eight pens is Shs.3,200/=. What is the cost of a dozen similar pens?

19. A motorist covered a distance of 240Km using a speed of 60Km per hour. How long did he take on the way?

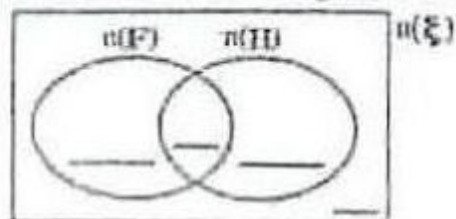20. (i) Find the value of 0 in the number 43096.

   (ii) Write the Roman numeral for 149.

SECTION B

21. In a club of 25 members, 15 participate in Football n(F), 11 participate in Hockey n(H), 3 do not participate in any of the two games and X participate in both games

(a) Show the above information on the Venn diagram below.   (2 marks - ½ mark each)

(b) How many members participate in both games?   (2 marks)

(c) Find the number of members who don't participate in Hockey.   (2 marks)