SIBLA

EDUCATIONAL CONSULTANCY (SEC)–KAMPALA (FORMERLY GLOBE)

FORMERLY GLOBE KAMPALA
Educating to Transform

P.6 MIDTERM III EXAMINATION 2024

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Name: ....

Stream: ....

School: ....

District Name: ....

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

Read the following instructions carefully:

1. This paper is comprised of two sections **A** and **B**. Section **A** has **20** questions **(40 marks)**. Section **B** has **12** questions **(60 marks).**

2. Answer **ALL** questions in both sections **A** and **B**.

3. All answers must be written in the spaces provided in Blue or Black ball point pen or ink. Only diagrams should be drawn in pencil.

4. Unnecessary changes of work and handwriting that cannot easily be read may lead to loss of marks.

5. Do not write anything in the boxes indicated: **"FOR EXAMINERS' USE ONLY".**
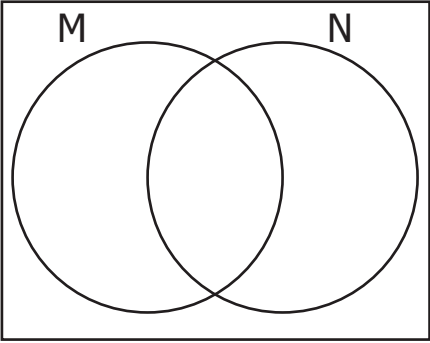
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SECTION A (40 MARKS)

1. Work out: 4 + 0.4

2. Write 100,001 in words.

3. If 4 exercise books cost shs 2000.
   Find the cost of 6 similar books.

4. If K = {2, 3, 5}. List the subsets of set K.

5. Decrease 40kg in the ratio 5:4.

6. Simplify: $^-8 - {}^-5$

7. Work out:
   $$\begin{array}{r} 2\ 2\ o\ 1_{three} \\ -\ 1\ 2\ 2_{three} \\ \hline \\ \hline \end{array}$$

8. A trader bought a dress at shs 16,000 and later sold it at shs 20,000. Find his percentage profit.

9. Find the next the number in the sequence.

   4, 6, 8, 9, 10, _____

10. Simplify: $2r - 7r + r + 4r$

11. In the Venn diagram below, Shade (MUN).

12. The perimeter of a square garden is 36m. Find its area.

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13. Find the quotient of 144 and 12.

14. Change CDXIV in Hindu Arabic numerals.

15. Find the supplement of 45°.

16. Write 400g as a percentage of 1kg.

17. If represents 5 tomatoes, draw similar pictures to represent 30 tomatoes.

18. Round off 3.049 to the nearest tenths.

19. With the aid of a pair of compasses, a ruler and a pencil only, construct an angle of 105°.

20. Convert 02 45 hours to 12-hour clock system.

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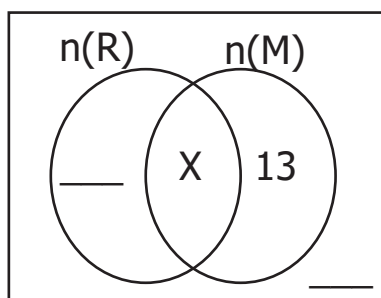Page 2

21. Work out: (3 marks)

$$\frac{0.3 \times 0.4}{0.12}$$

b) Simplify: (2 marks)

$$\frac{3}{4} \div \frac{1}{2} - \frac{1}{4}$$

22. In a class, 8 girls eat Rice only (R), 20 girls eat Matooke (M), 2X like neither of the two foodstuffs.
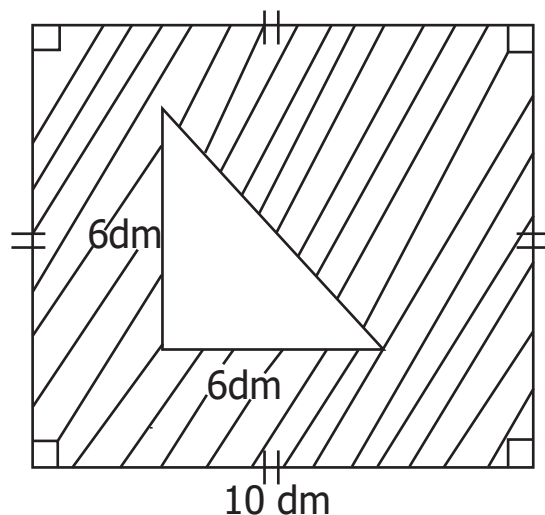
a) Use the information above to complete the Venn diagram below. (2 marks)

n(R)   n(M)

___   X   13

___

b) Find the value of X (2 mark)

c) How many girls like only one type of food? (2 mark)

23. Study the diagram below and use it to answer the questions that follow.

6dm

6dm

10 dm

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a) Find the area of the shaded region. (2 marks)	24. Change 20m/s to km/h. (2 marks)
b) Work out the area of the triangle. (2 marks)	b) A motorcylist covered a distance of 300km while riding at a speed of 50km/h. i) How long did it take the motor cyclist to cover the distance? (2 marks)
c) Calculate the area of the shaded region. (1 mark)	
	ii) If the motorcyclist ended the journey at 11:45 am, at what time did he start the jourey? (2 marks)

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25. Amooti is twice as old as his daughter Daniella. Their total age is 57 years.

a) How old is the daughter? (2 marks)

b) How old will Amooti be after a period of 9 years? (2 marks)

26. Using a pair of compasses, a ruler and a pencil only, construct a triangle ABC such that AB = 7cm, angle CAB = 45° and angle ABC = 60°. (4 marks)

b) Measure line $\overline{BC}$ (1 mark)

27. Okello went to the market and bought the following items:

3 bars of soap at shs 5400 per bar.

$2\frac{1}{2}$ litres of milk at shs 1200 per litre.

250 gm of sugar at shs 42000 per kg.

a) How much money in total did he spend on the above items? (4 marks)

b) If she went to the market with shs 50,000, how much was her change? (1 mark)

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28. Given digits 5, 0, and 4.
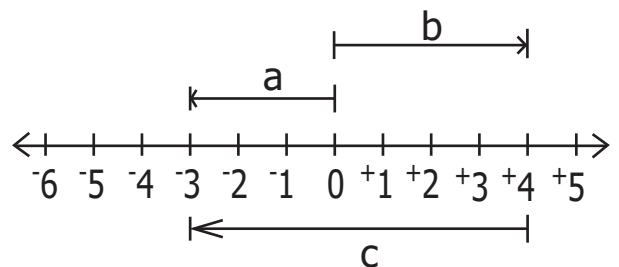
a) Form all possible three digit numerals. (2 marks)

b) Round off the biggest numeral formed to the nearest hundreds. (2 marks)

c) What is the place value of 4 in the smallest numeral formed? (1 mark)

29. Mr Agaba shared a certain amount of money amongst his three daughters; Agatha, Hellen and Daphine in the ratio of 2:3:4 respectively.

a) How much money was shared if Hellen got shs 90,000? (3 marks)

b) How much more money did Daphine get than Hellen? (2 marks)

30. A P.6 pupil worked out a certain number using a numberline as shown below.
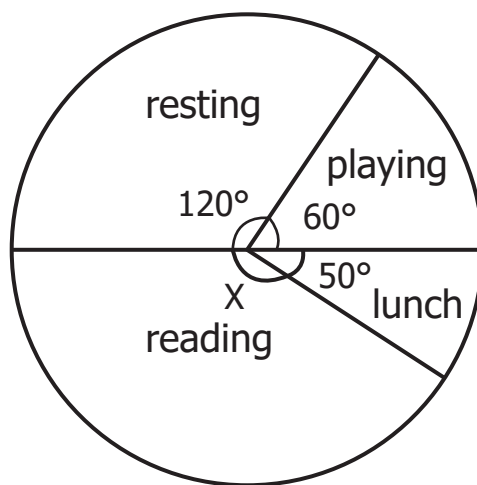

a) Write the integers represented by:

a _____

b _____

c _____

(1 mark each)

b) Write the mathematical sentence for the numberline above. (2 marks)

31. a) Find the square of 15. (2 marks)

b) Find the square root of 169. (2 marks)

32. The pie chart below shows how Elijah spends his 24 hours of a day. Study it and answer the questions that follow.

a) Find the value of X in degrees. (2 marks)

b) Work out the total time he spent playing. (2 marks)

c) How many more hours did he spend on resting than on playing? (2 marks)

END

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