SURE KEY EXAMINATIONS BOARD
PRIMARY FIVE END OF TERM TWO SET II
2023
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Admission No.					Personal No.		

Pupil's Name: ....

Pupil's Signature: ....

School Name: ....

District Name: ....

Read the following instructions carefully:

1. Do not forget to write your **school** and **district name** on this paper.

2. This paper has two sections: **A** and **B**. Section **A** has **20** questions and Section **B** has **12** questions. The paper has **12 printed pages** altogether

3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.

4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than 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

SECTION A: 40 MARKS

Answer **all** questions in this Section

Questions **1** to **20** carry two marks each

1. Workout: 1 3
            x   6

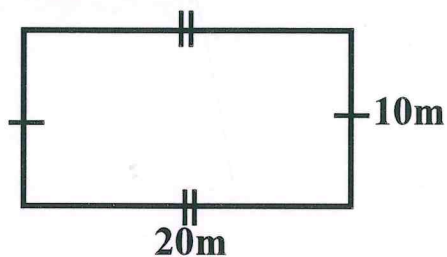2. Round off the expanded number to the nearest tens.

   3000 + 800 + 70 + 8

3. The cost of an exercise book is Sh.1,600. Find the cost of a dozen of similar books.

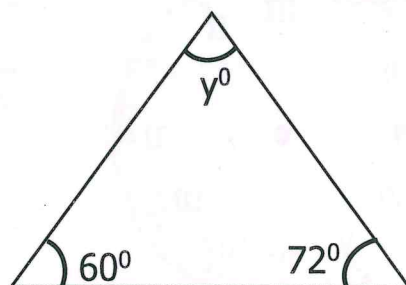4. Write the number represented on the abacus below in base two.
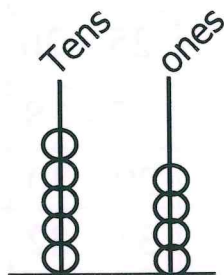
5. The diagram below shows a rectangular swimming pool. Apollo swum twice around the pool. Calculate the total distance he swum.

10m

20m

6. Arrange the following fractions in descending order.

0.2,   0.6,   0.8,   0.4

7. In the figure below. Find the value of **y** in degrees.

y^0
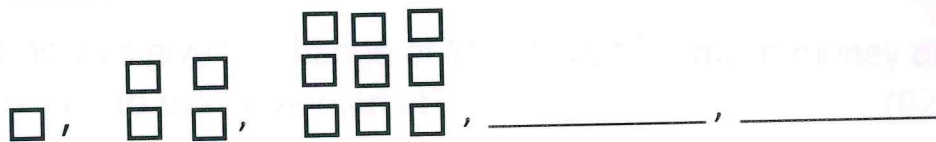
60^0 72^0

8. A dance competition started at 8:00a.m and ended at 11:10a.m. How long did it take?

3   **Turn Over**

9. Atuhaise had some cows on his farm. He sold CXX of them and remained with XC cows. How many cows did he have in Roman Numerals on the farm?

10. Solve for w: $2w - 4 = 16$.

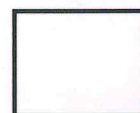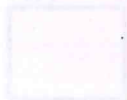11. Draw squares to show the next grouping in the pattern below?

$$\square, \quad \square\square \atop \square\square, \quad \square\square\square \atop \square\square\square \atop \square\square\square, \quad \underline{\hspace{3cm}}, \quad \underline{\hspace{3cm}}$$

12. Using a pair of compasses, a ruler and a sharp pencil only, construct an angle of 60^0 in the space provided.

13. Agnes scored the following marks in a series of tests.
    20%, 45%, 35%, 90%, 64% and 29%

    Workout her median mark.

4

14.   Workout: $^-3 - {^+4}$.

15.   Given that Set A = {0, 1, 2, 3, 4, 5, 6} and Set B = {1, 3, 5, 7, 9, 11}.
       Find n(A – B).

16.   Use the diagrams below to answer the questions that follow.

Shs. 1500   Shs. 1800

Buying price   Selling price

Find the profit earned after selling the cup.

17.   How many minutes are in $2\frac{1}{4}$ hours?

18.   Change 12500 grammes int kilograms.

19. Work out: $25\overline{)1000}$

20. In a class, the number of boys is twice the number of girls. If the class has 90 pupils. How many girls are in the class?

SECTION B: 60 MARKS
Answer **all** questions in this section
Marks for each question are indicated in brackets.

21. Natembo has three daughters, Nankya, Nandu and Nambi. She gave them 36 million shillings as follows; Nankya got $\frac{1}{3}$ of the money, Nandu got $\frac{1}{4}$ and Nambi got the rest of the money.

   (a) Find the total fraction of the money Nankya and Nandu got. (02 Marks)

   (b) What fraction of the money did Nambi get? (02 Marks)

(c)   How much more money did Nandu get than Nankya?   (02 Marks)

22.   Given the number **4196**;

(a)   Workout the square root of the value of **1** in the above number.
                                                                    (02 Marks)

(b)   Find the product of the place value of **4** and the value of **9** in the above
       number.   (03 Marks)

23.   A doctor prescribed for Jack, 2 pills of Panadol to be taken three times in
       each day for a week and 4 pills of Coartum to be taken twice a day for a week.
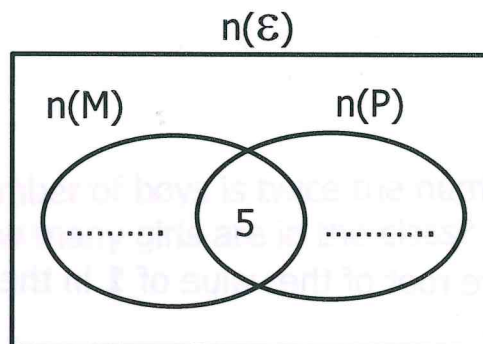
(a)   After how many hours does Jack need to take the next doze of
       Panadol pills in each day?   (02 Marks)

(b)   How many Coartum pills did Jack take for a full week?   (02 Marks)

24. In a foster home, 30 children who enjoy milk (M), 25 enjoy porridge (P), while 5 enjoy porridge with milk as shown in the Venn diagram below.

(a) Complete the Venn diagram below. (02 Marks)

n(ε)

n(M)   n(P)

.... 5 ....

(a) Find the total number of children in the foster family. (02 Marks)

(b) What is the probability of picking a child who likes one type of drink? (02 Marks)

25. The table below shows marks scored by pupils in a test marked out of 100%. Study it carefully and complete it correctly. (06 Marks)

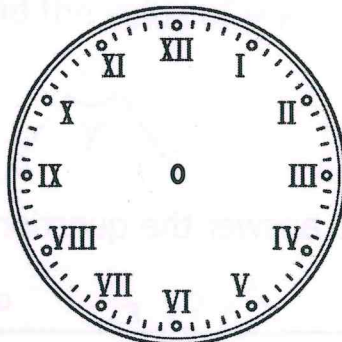| Marks	Tally	Frequency	Total Marks
70	卌 l	....	420
60	lll	3	....
80	....	4	320
....	lll 卌	8	400
90	....	2	....

26. (a) Using a sharp pencil, a ruler and a pair of compasses only, construct a triangle ABC where line AB = 6cm, angle BAC = 90⁰ and line BC = 10cm. (04 Marks)

(b) Measure line AC = ... cm. (01 Mark)

27. (a) Show 15 minutes to 9 o'clock on the clock face below. (02 Marks)

(b) A watch loses five seconds every minute. How many seconds will the watch lose in an hour? (02 Marks)

Turn Over

28. Okoth went to the Supermarket and bought the following items.

- $\frac{1}{2}$ kg of sugar at Sh. 3,800 per kg.
- 3 bars of soap at Sh. 2,500 each bar.
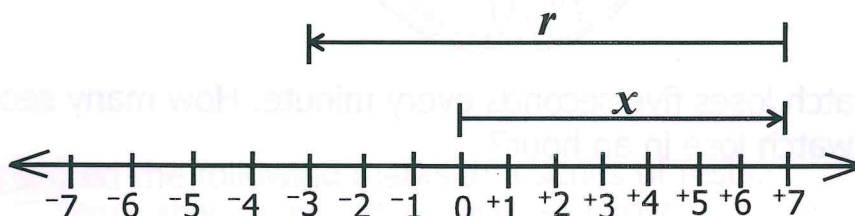- 4 tomatoes at Sh. 2,000

(a) Find the selling price of each tomato. (01 Mark)

(b) How much did Okoth pay for all the items? (03 Marks)

(c) If he was given a change of Sh.8,600, how much money did he go with to the Supermarket? (02 Marks)

29. Use the numberline below to answer the questions that follow.

(a) Write the integers represented by arrows x and r. (02 Marks)

(i) x ....

(ii) r ....

(b)　On the numberline above, draw an answer arrow to complete the addition statement and name it *m*. (01 Mark)

(c)　What integer is four steps right of ⁻6? (01 Mark)

30.　The prism below has 4 equal lengths, 4 equal widths and 4 equal heights called edges. Use it to answer the questions about it.
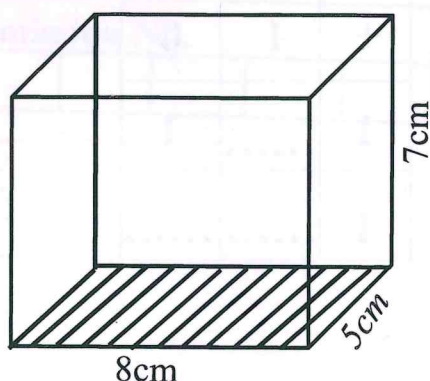
(a)　Workout the sum of the lengths of its edges. (02 Marks)

(b)　Find the area of the shaded part of the prism above. (02 Marks)

(c)　Calculate its volume in cm³. (02 Marks)

Turn Over

31. (a) Workout: 121_{three} X 12_{three}. (02 Marks)

(b) Add in base two and complete the table below correctly. (03 Marks)

+	1	0
1	......	1
1	......	......

32. A father is twice as old as his son but 5 years older than the mother.

(a) If the son is 20 years old now, how old is the father? (02 Marks)

(b) How old is the mother? (02 Marks)

END