



# SURE KEY EXAMINATIONS BOARD

## PRIMARY FIVE PLACEMENT SET

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

FOR EXAMINERS' USE ONLY		
Qn.No.	MARKS	EXR'S NO.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
<b>TOTAL</b>		

## SECTION A: 40 MARKS

Answer **all** questions in this Section  
Questions **1** to **20** carry two marks each

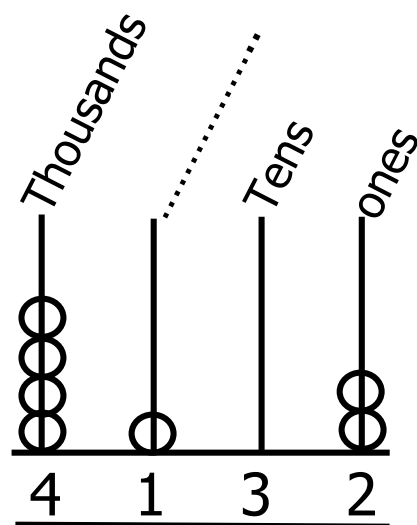
1. Workout:  $4 \times 3$

2. Write 1,001 in words.

.....

.....

3. Complete the abacus below.



4. Fill in the missing starting numbers in the sequence:

....., ....., 25, 30, 35, 40, 45.

5. Workout:  $\frac{4}{8} - \frac{3}{8}$









6. Subtract 4 from the number that comes after 8.

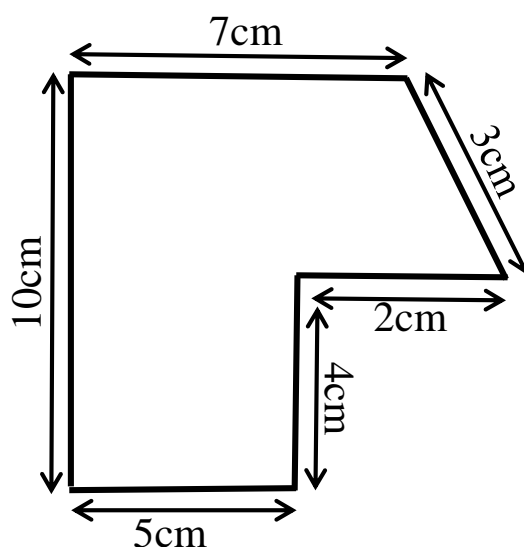
7. What number has been expanded below?

$$8000 + 900 + 60 + 4$$

8. Mukisa sold 58 watermelons on Saturday and One hundred four watermelons on Sunday. How many watermelons did he sell in the two days altogether?

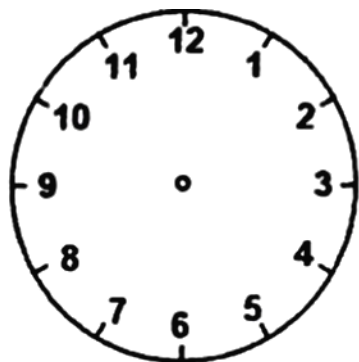
9. Given that  represents 15 boys in a class and  represents 20 girls the class. Find the total number of pupils represented by    .

10. Calculate the Perimeter of the figure below.



11. Write 28 in Roman Numerals.

12. Show the time '**a quarter past seven o'clock**' on the clock face below.

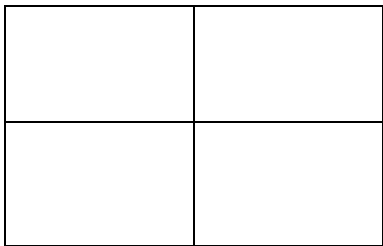


13. Simplify: 9balls + 7stones + 3balls + 2stones.

14. Aminah went to the shop and bought a book at Shs.1,500. The shopkeeper gave her a 500 shillings coin as her change. How much money did Aminah have before buying the book?

15. How many days are in 3 weeks?

16. Shade  $\frac{3}{4}$  of the figure.



17. Sarah has a kettle containing 10 litres of milk and gives each of her children one  $\frac{1}{2}$  litre cup full of milk shown in the diagrams below. Find how many children Sarah has.



18. Given that  $m = 8$  and  $n = 3$ . Find the value of  $m + n$ .
19. Given that Set **X** = {a, b, c, d, e, i}, Set **Y** = {all vowel letters}.  
List all members of set **X n Y**.
20. Our school is 120 meters away from the borehole. What is the distance in centimeters (cm) given that  $1m = 100cm$ ?

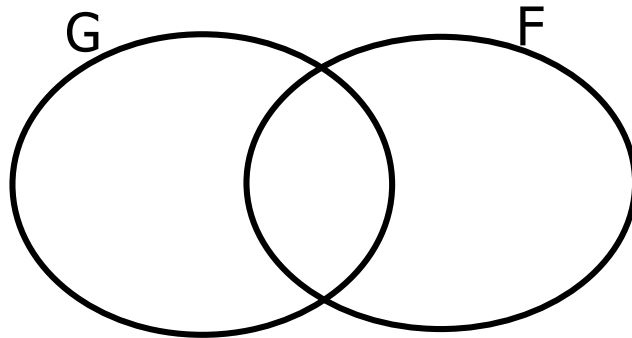


## SECTION B: 60 MARKS

Answer **all** questions in this section  
Marks for each question are indicated in brackets.

21. Given that,  
Set  $G = \{1, 3, 5, 7, 9\}$   
Set  $F = \{1, 2, 3, 4, 5, 6\}$

- (a) Show the above information on the Venn diagram below. (03 Marks)



- (b) How many members has Set G? (01 Mark)

- (c) Find  $n(G \cup F)$  (02 Marks)

22. Henry went to the Supermarket and bought the following items while going back to school.

2 pens at Shs.500 for each pen  
1 dozen of books at Shs.12,000  
A Geometry Set at Shs.2,000

- (a) How much did he pay for the pens? (01 Mark)

- (b) Find the total amount of money he paid for all the items he bought. (03 Marks)



23. Given the number **4658**, use it to answer the questions below.
- (a) Write the above number in expanded form. (01 Mark)
- (b) What is the place value of 5 in the above number? (01 Mark)
- .....
- (c) Find the sum of the value of **4** and **6** in the above number. (03 Marks)

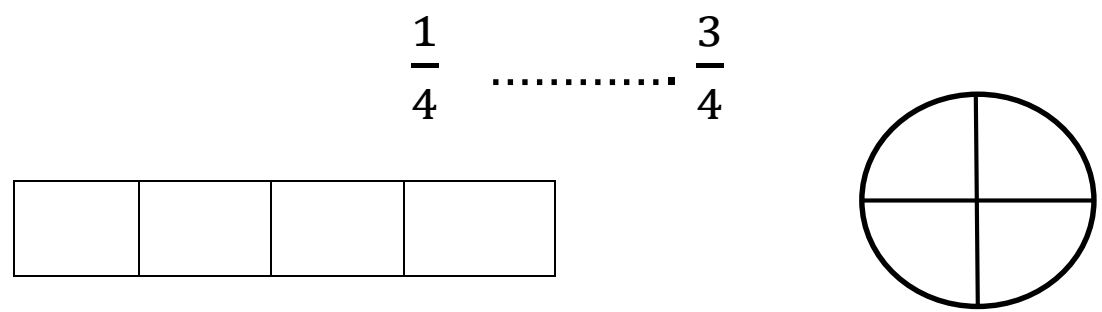
24. (a) Akello started driving his car to work at 8 o'clock in the morning and reached his workplace at a half past 10 o'clock. How long did Akello take while driving? (02 Marks)

(b) Work out: (02 Marks)

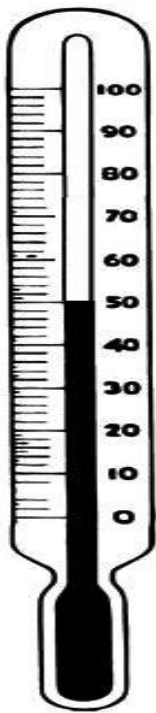
	HRS	MIN
	3	45
+	2	30
<hr/>		
<hr/>		

25. (a) Shalon had  $\frac{7}{9}$  of a sugarcane and gave  $\frac{3}{9}$  of it to Grace. What fraction did she remain with? (02 Marks)

- (b) Use  $<$ ,  $>$  or  $=$  to complete the statement. The diagrams below may help you in your working. (02 Marks)



26. The diagrams below show temperatures of five boys that were taken during the COVID 19 Reporting to school week. Study them carefully and use them to answer questions that follow.



John



Tom



Sam



Fred



Mark

(a) Who had the highest temperature according to the diagrams? (01 Mark)

.....

(b) Workout the difference between Sam and Fred’s temperature. (02 Marks)

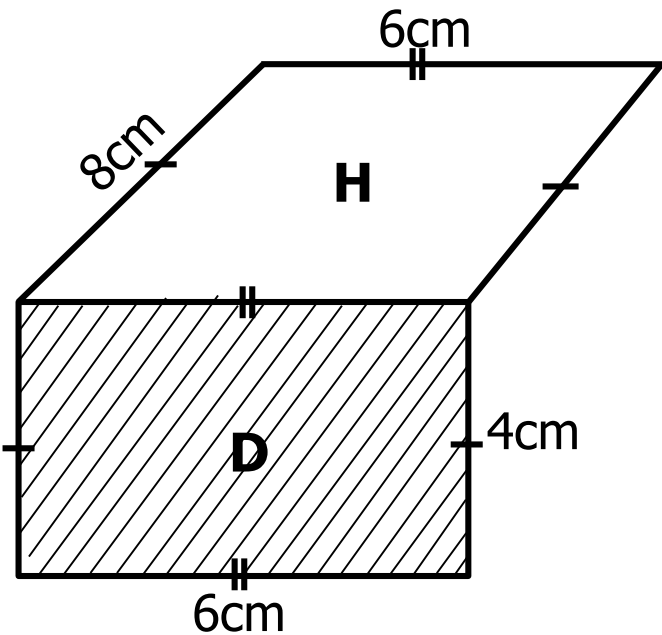
(c) Workout the total temperature of the five boys. (02 Marks)

(d) What was the temperature recorded for Tom? (01 Mark)

.....



27. Below are two figures **D** and **H**. Study them carefully and answer the questions that follow.



(a) Work out the area of the shaded figure marked **D**. (02 Marks)

(b) Calculate the total distance around the two figures **H** and **D**. (03 Marks)

28. Below is a magic square. Use it to answer the questions that follow.

<i>m</i>	2	7
4	6	8
5	<i>k</i>	<i>t</i>

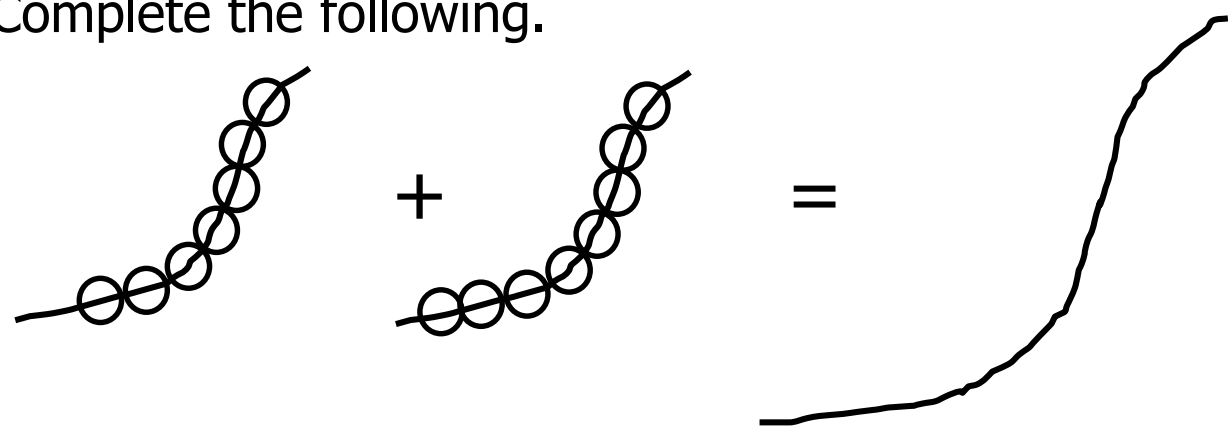
(a) Work out the magic sum (02 Marks)

(b) Find the value of *m*, *k* and *t* (03 Marks)



29. (a) Draw bundles to represent 32 pens. (02 Marks)

(b) Complete the following. (02 Marks)



(c) Subtract: 936 – 457 (02 Marks)

30. A store received 100 boxes where each box had 6 plates.

(a) How many plates did the store receive? (02 Marks)

(b) After selling 80 boxes, how many plates were sold? (02 Marks)

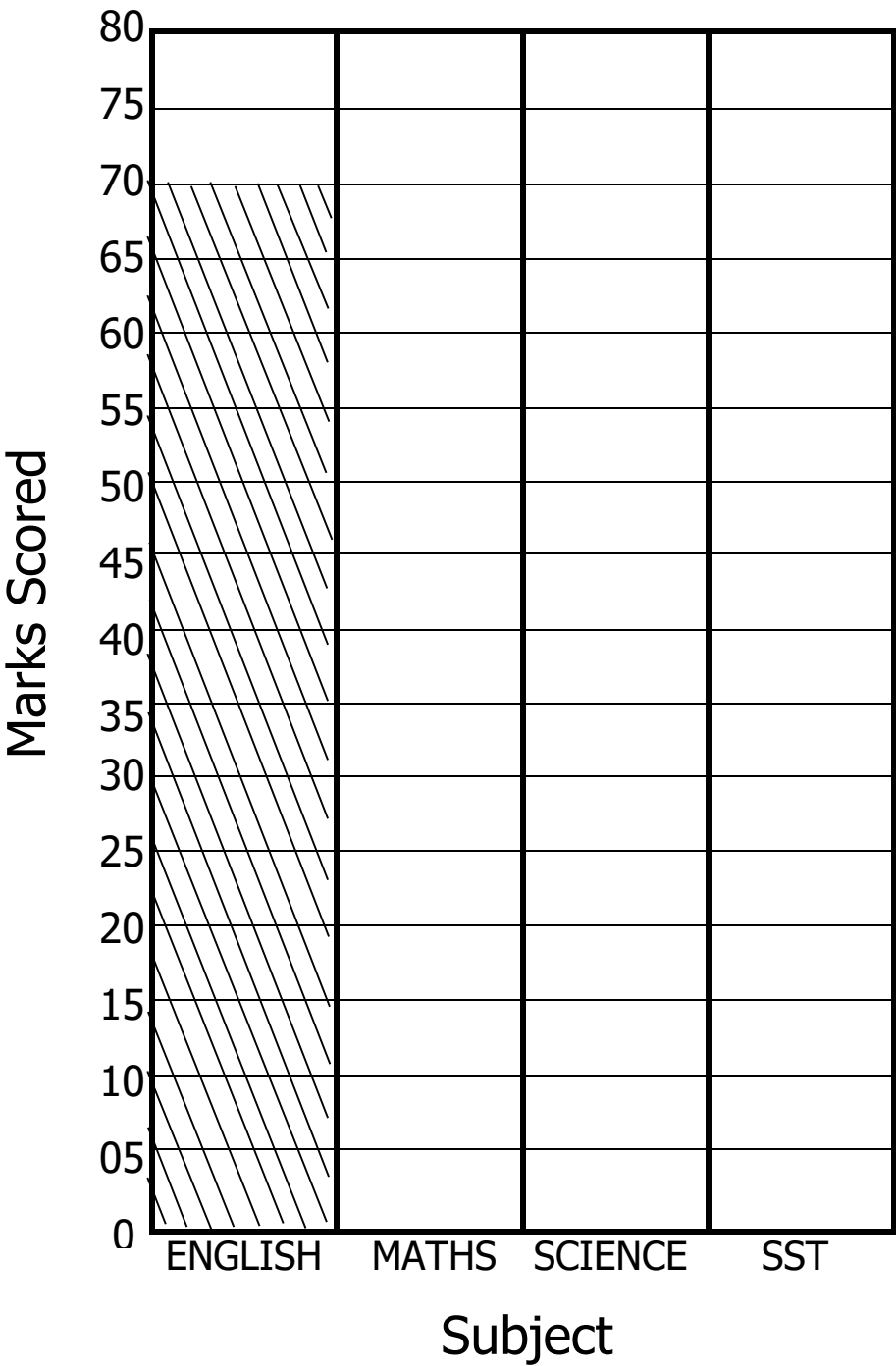
(c) How many plates remained after selling the 80 boxes? (01 Mark)



31. The table below shows how Akiiki scored in his End of Year Examinations.

Subject	ENGLISH	MATHS	SCIENCE	SST
Marks Scored	70	65	50	45

(a) Represent the information in the above table on the bar graph below. (03 Marks)



(b) In which subject did Akiiki score the lowest marks? (01 Mark)

.....

(c) If the pass mark was 60%, how many subjects would Akiiki pass? (01 Mark)

32. Bruno is 8 years old. Ntambi is two years older than Bruno.

(a) How old is Ntambi?

(02 Marks)

(b) Find the total age of Bruno and Ntambi.

(02 Marks)



(c) How old will Bruno be after 3 years?

(01 Mark)

