THE JEROX SET THREE TERM II EXAMINATION 2023

Primary Seven Mathematics

TIME ALLOWED: 2 HOURS 30 MINUTES

Index No.	Random No.						Personal No.		

NAME: _____

SCHOOL: _____

SIGNATURE: _____ DISTRICT: _____

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

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper is made up of two section A and B
2. Section A has 20 questions (40 marks) and Section B has 12 questions (60 marks)
3. Answer all questions in both sections A and B.
4. All answers must be written in the spaces provided in **BLUE** or **BLACK** ink. Only diagrams should be drawn in pencil.
5. Unnecessary crossing will lead to loss of mark
6. Poor handwriting, which can not be easily rea may lead to loss of marks.

FOR EXAMINER'S USE ONLY

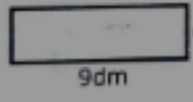
SECTION	SCORES	REMARKS
A		
B		
TOTAL		

Teacher's comment to the pupil

_____

_____

SECTION A (40 Marks)

1	**Workout:** $\begin{array}{r} 4\ 3\ 4 \\ -\ 1\ 3\ 2 \\ \hline \end{array}$	2	Write **40023** in words.
3	**Simplify:** $4m - 2(m - 1)$	4	Find the sum of the next two numbers in the series. 7 , 14 , 28 , 56 , ____ , ____
5	**Workout:** $^{+}3 + {}^{-}5$	6	Use distributive property to work out. $(112 \div 7) + (28 \div 7)$
7	**The area of a rectangle is 63dm².** Find the value of **C**.  **C** dm 9dm	8	At a retail shop, nine pens cost **sh. 6300**. How many dozens of pens can you buy with **sh. 4200**?
9	A meeting that ended at **10:30a.m** lasted for **$1\frac{1}{3}$** hours. When did the meeting start?	10	With the help of a ruler and a pair of compasses only construct an angle of **105^0**.

11	Given that $(p + 30^0)$ and $2p$ are complementary angles. Find the largest angle.	12	The ratio of boys to girls is **3:2**. How many pupils are in the class if there are **18** more boys than girls?
13	If represent **6** spoons. Draw pictures to represent **42** spoons.	14	Express **0.3636.....**as a fraction in its simplest form.
15	A dice is tossed once. What is the chance that a square number shows up?	16	Given $3^p \div \frac{1}{9} = 81$. Find the value of **p.**
17	Use a dial to workout $3 - 5 =$ _____(**finite 7**)	18	Roundoff **6.078** to nearest hundredths.

19	Find the lowest common factor of **8** and **12**.	20	Naki sold an article at **sh. 28000** realising a loss of **20%**. At what price did she buy the article?
	SECTION B (60 Marks)		
21 a)	**Workout:** $\frac{3.04 + 1.16}{1 - 0.7}$ *(03marks)*	b)	**simplify:** $\frac{3}{4} \times \frac{2}{3} \div \frac{1}{2}$ *(02marks)*
22	**Juma used the price list below to purchase items from the grocery.** **3** kg of rice at **sh. 6500** per kilogram. **5** rolls of toilet paper at **sh 6000** per half a dozen of toilet rolls. A bunch of matooke at **sh 15000** **750g** of flour at **sh 4000** per kilogram		
a)	What was his total expenditure?		

b) If he was given **sh 7500**, how much did he go with?

(01 mark)

23 a) Write **29.74** in scientific rotation.

(01 mark)

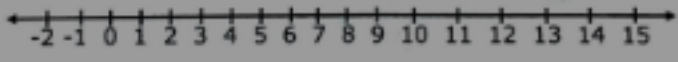
b) Find the sum of the place values of **8** and **4** in **98645**.

(01 marks)

c) Expand **9.72** using power of ten

(01 mark)

24 a) Workout **12 ÷ 4** using a number line.



(02 marks)

b) Gobya was to host guests at a party. By seating then in groups of **12** only one guest will not have a seat and by seating them in groups of **15** only one guest will not have a seat. How many seats must he have if all guests are to sit?

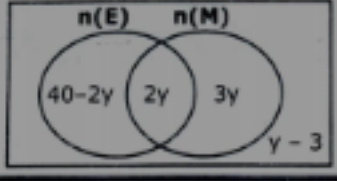
25 Peter rolled a wire of **1100m** round a circular log of radius **7dm**. In how many revolutions was the wire rolled?

(04 marks)

26 The sum of five consecutive even numbers is **80**. If the fourth number is **h**. find the range of the numbers.

(05 marks)

27 The venn diagram below shows how pupils prefer Maths (**M**) and English (**E**)



a) If those who like Math only and English only are the same, how many pupils like other subjects?

b) How many pupils are in the class?

28	Aminah spent $\frac{2}{5}$ of her money to buy books, $\frac{2}{3}$ of the remaining money to pay debts and saves the rest.		
a)	What fraction does she save? *(02marks)*	b)	If she spends **sh 2000** to pay debts than she saves. How much money did she come with? *(03marks)*
29	Find a solution set for $3 - 3r \leq 12$ *(02 marks)*	b)	Solve for **K**: $2(4k - 3) = k + 8$ *(03 marks)*
30	At a school **2** bell are used for baby and lower primary at intervals of **25**minutes and **30**minutes respectively. If they first rung at **8:00**a.m , at what time will they ring together again?		

31 a) Using a ruler and a pair of compasses only, construct a parallelogram **PQRS** such that **PQ = 7cm , PS = 5cm** and angle **PQR = 120°**.

(03 marks)

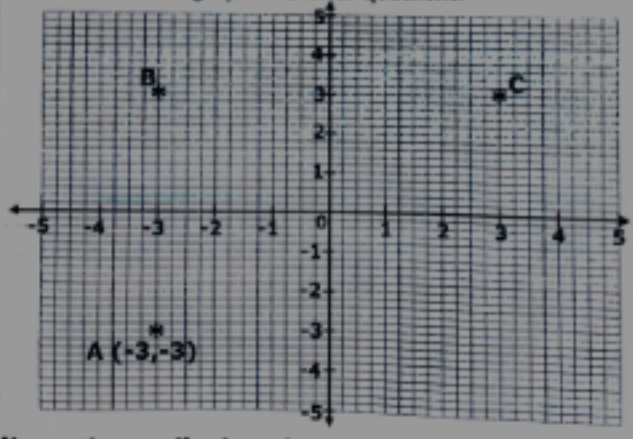
b) Drop a perpendicular from **C** to meet **PQ** at **W**.

(01 mark)

c) Find the area of the shape.

(02 marks)

32 **Use the cordinate graph to answer questions.**



a) **Name the cordinate points.**

i) **B** _____

ii) **C** _____

(01 mark)

b) Plot point **D (3 , ⁻3)**

c) Join and name the shape