

**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 read 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 <b>40023</b> 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 $63\text{dm}^2$ . Find the value of <b>C</b> .  <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 100px; height: 30px; margin-right: 10px;"></div> <div style="text-align: center;"> <b>C dm</b>              9dm           </div> </div>	8	At a retail shop, nine pens cost <b>sh. 6300</b> . How many dozens of pens can you buy with <b>sh. 4200</b> ?
9	A meeting that ended at <b>10:30a.m</b> 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 <b><math>105^\circ</math></b> .

11 Given that  $(p + 30^\circ)$  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  
 $3 - 5 = \underline{\hspace{2cm}}$  (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?
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**SECTION B (60 Marks)**

21	Workout: $\frac{3.04 + 1.16}{1 - 0.7}$	b)	simplify: $\frac{3}{4} \times \frac{2}{3} \div \frac{1}{2}$
a)			
	(03marks)		(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?

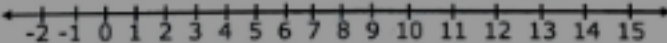
(01 mark)

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

(01 mark)

b) Find the sum of the place values of <b>8</b> and <b>4</b> in <b>98645</b> .	c) Expand <b>9.72</b> using power of ten
(02 marks)	(01 mark)

24  
a) Workout  **$12 \div 4$**  using a number line.



(02 marks)

b) Goby was to host guests at a party. By seating them 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?

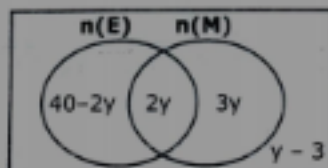
- 25 Peter rolled a wire of **1100m** round a circular log of radius **7dm**. In how many revolutions was the wire rolled?

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

- 31 Using a ruler and a pair of compasses only, construct a parallelogram PQRS such that  $PQ = 7\text{cm}$ ,  $PS = 5\text{cm}$  and angle  $PQR = 120^\circ$ .

(03 marks)

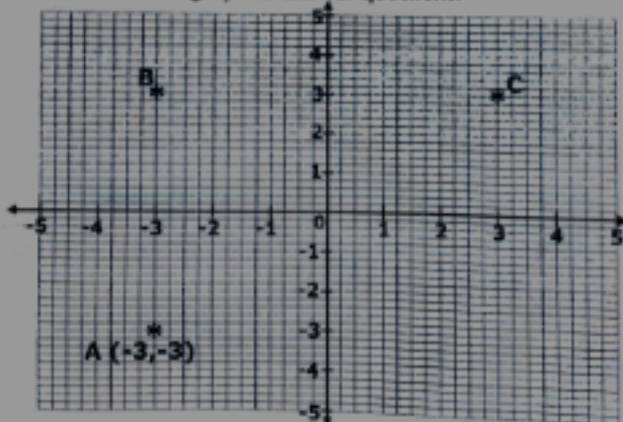
- b) Drop a perpendicular from C to meet PQ at W.

(01 mark)

- c) Find the area of the shape.

(02 marks)

- 32 Use the coordinate graph to answer questions.



- a) Name the coordinate points.

- i) B \_\_\_\_\_  
ii) C \_\_\_\_\_

(01 mark)

- b) Plot point D (3, -3)

- c) Join and name the shape