THE JEROX BEGINNING OF TERM I EXAMINATION 2023

Primary Seven Mathematics

TIME ALLOWED: 2 HOURS 30 MINUTES

NAME _____ SIGNATURE_____

SCHOOL _____ DISTRICT_____

STREAM _____

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 sections 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 marks

6. Poor handwriting, which cannot 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

_____

_____

_____

We follow the Abridged Curriculum
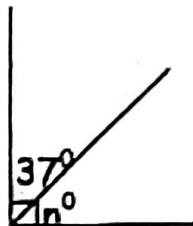
SECTION A (40 Marks)

1	Workout: $\begin{array}{r} 4\ 2 \\ +\ 3\ 6 \\ \hline \\ \hline \end{array}$	**2**	Express **XLVII** In words.
3	Simplify: $^-4 + ^-6$	**4**	Given that: set K = {all multiples of 6 less than 50} Find n(K)
5	In the figure below, find the value of n in degrees. 	**6**	Simplify: $3w - 5w + 6w$
7	If a dice Is tossed once, what Is the probability that a number less than **4** appears on top?	**8**	Find the G.C.F of 8 and 10.
9	Workout : $\dfrac{2}{3} + \dfrac{1}{4}$	**10**	Workout: $\begin{array}{rcr} \text{Hours} & & \text{min} \\ 7 & & 30 \\ -\ 4 & & 50 \\ \hline \\ \hline \end{array}$

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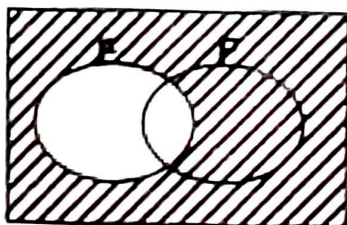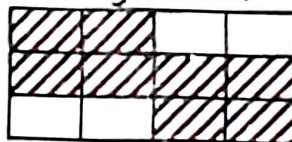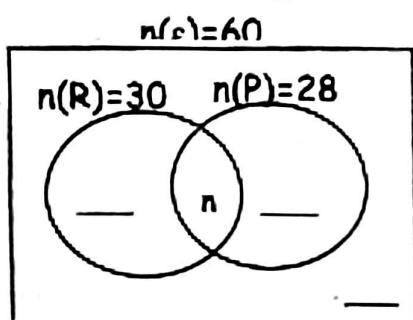|			
11	Find the area of the figure below. 9cm 5cm 6cm	12	Molly sold a radio at shs 21000 making a loss of shs 2000, how much did she buy the radio?
13	Find the sum of the first five composite numbers.	14	With the help of a ruler, a pencil and a pair of compasses only, construct an angle of 60^0.
15	Describe the shaded part.	16	Write in lowest term, the fraction of the unshaded parts in the drawing below.
17	Matovu bought two birds at shs 24000 and sold each at shs 18000. How much profit did he get after selling all the birds?	18	A cyclist travelled 120km in $1\frac{1}{2}$ hours, workout the cyclist speed.
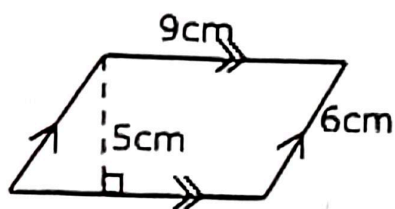
| 19 | Roundoff **7295** to the nearest hundreds. | 20 | Express 36 litres into millilitres. |

SECTION B(60 marks)

21

a) In a class of 60 pupils, 30 pupils like rice (R), 28 pupils like posho (P), n pupils like both foods and 10 pupils like neither of the two.
Complete the venn diagram.

n(c)=60

n(R)=30 n(P)=28

— n —

—

(3marks)

b) How many pupils liked both the foods?

(2marks)

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22a	Workout: $\quad 2 \quad 4 \quad 3_{five}$	b	Given that $24_x = 42_{five}$. Find the value of x.
	$+ \ 1 \quad 3 \quad 4_{five}$		
	(02marks)		(03marks)

23	The figure below is a net of a solid figure.	b)	If the area of the shaded part is $36cm^2$, Calculate the length of each side.
a)	What is the name of the solid figure?		
	(01mark)		(02marks)
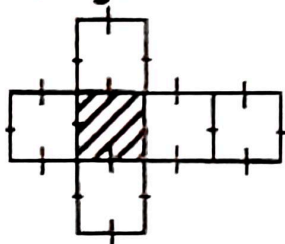
24 Using a ruler, a pencil and a pair of compasses only, construct a rectangle WXYZ where WX = 7cm, XY = 3cm.

(04marks)

b) Measure the diagonal line WY.

(01mark)

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25	Sanyu went to the shop and bought the following items.
	2 kg of rice at sh *3800* each.
	1 ½ kg of beans at shs *4000* per kg.
	500 g of sugar at sh *5200* per kg.
a)	3 litres of cooking oil at sh *18000*.
	How much did she spend altogether?

(04marks)

b)	If she had a note of fifty thousand shillings, what was her change?

(02marks)

26 a)	Tumwine deposited sh *80,000* In Stanbic bank at an interest rate of **10%** for 2 years. What was his simple Interest?	b)	Workout his new amount after a period of **2** years.

(02marks)

(02marks)

27	Use <, > or = to complete correctly.

i)   ⁻10 ☐ ⁻3

ii) ⁺4 ☐ ⁻4

(02marks)

b) Workout +3 + -4 using a numberline.

$$-6 \quad -5 \quad -4 \quad -3 \quad -2 \quad -1 \quad 0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5$$
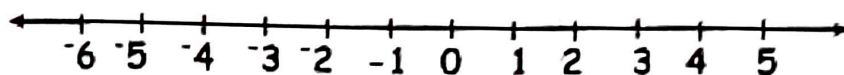
(03marks)

28a Express 72km/ hour to meters per second.

(02marks)

b) A cyclist covered a distance of 180km at an average speed of 72km/hour, if he reached his destination at 4:15pm, at what time did he start the journey?

(03marks)

29a Given that $y = 3$ and $K = -2$, find the value of $y^2 - k^2$.

(02mark)

b) Allan is 3 times as old as his son, If the difference between their ages is 36 years, how old is the son?

(02mark)

30a The sum of three consecutive even numbers is 36. Find the numbers.

(03marks)

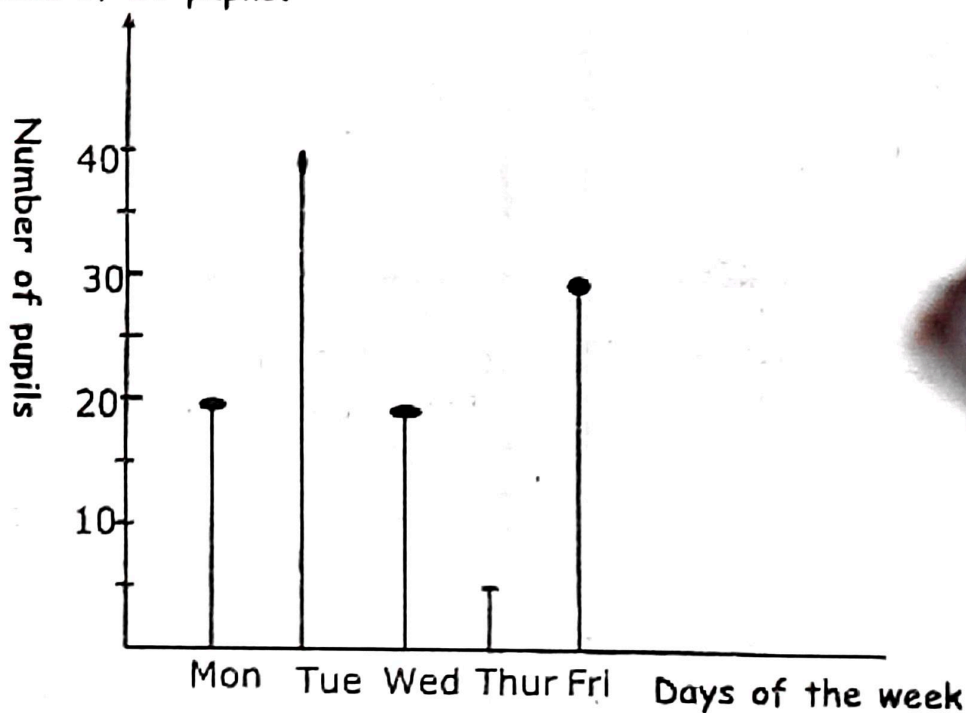**b)** Find the product of the 1st and third number.

(02mark)

31a	workout : $\dfrac{0.36 \times 0.08}{0.04 \times 0.9}$	b	If $\dfrac{2}{3}$ of my salary is sh 120,000, what is my salary?
	(03marks)		*(02mark)*

32 The graph below shows the number of pupils who were absent in a class of 50 pupils.

a) How many pupils were absent on Monday?

(01marks)

b)	On which day of the week was the attendance best?	c)	Calculate the average number of pupils who were absent during the weak.
	(01mark)		*(03marks)*

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