

THE JEROX PRE - PLE SET II ASSESSMENT 2022

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

ORGANISED BY:

We follow the Abridged Curriculum



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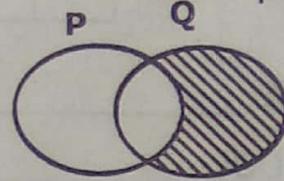
SECTION A (40 Marks)

1 Workout: $20 + 10$

2 Simplify: $^{-}5 - + 8$

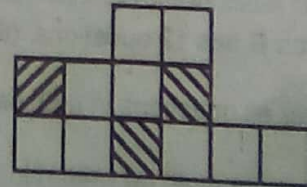
3 Find the difference in the value of 8 and the place value of 5 in 3805.

4 Describe the unshaded part.



5 Simplify:
 $6mr - 3ab - 3mr + 7ab.$

6 What percentage of the figure is not shaded?

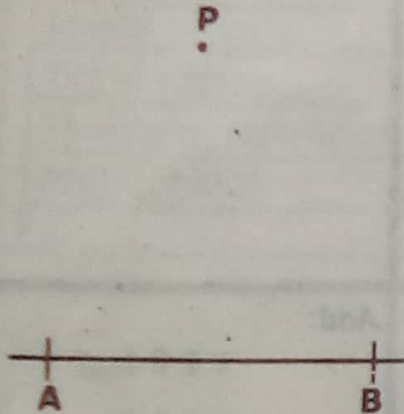


7 Uganda currency sh. 4200 can buy 1 pound sterling (£). How many pound sterling can one get from Ug shs 252,000?


8 Electric poles are planted 20 meters apart. Find the distance from the 1st pole to the 10th pole.

9

Using a ruler, a pencil and a pair of compasses only, drop a perpendicular line from point P to meet line AB at k.



10

Given that this  can hold 1.5 litres, how many such tins do we need to collect 9 litres of juice?

11

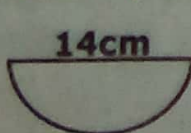
Express "a quarter to midnight" in the 24 hour clock system.

12

The area of a square garden is $2\frac{2}{9} \text{ m}^2$. Find the length of its side.

13

Workout the perimeter of the figure below. (Take $\pi = \frac{22}{7}$)



14

By selling a pair of shoes at shs.45000, a dealer made a loss of 10%. Find the cost price of a pair of shoes.

15

Workout:

$$12y^6 + 6y^4$$

16

$$\text{Solve: } -4(y+1)=8$$

17

The cost of a half kilogram of rice is sh 2000. What is the cost of 3kg of rice?

18

Add:

$$\begin{array}{r} 1101_{\text{two}} \\ + 111_{\text{two}} \\ \hline \end{array}$$

$$\hline$$

19

Nsimbi travelled 66km from 11:30am to 2:15pm. What was his speed in km/hr?

20

The interior angle of a regular is 5 times the exterior angle. How many sides has it?



SECTION B(60 marks)

21

The table below shows Mulwana's shopping list. Use it to answer the questions.

a) Complete the shopping bill.

Items	Unit price	Amount
3kg of sugar	Shs 3600 per kg	_____
1½ litres of cooking oil	Shs _____ @ litre	Shs 12000
250g of beans	Shs 3800 each kg	_____
	Total bill	_____

(04marks)

b)

If he was given a discount of 5% on cooking oil, how much did he pay?

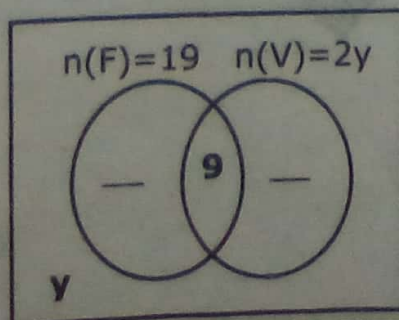
(02marks)

22

In a group of 40pupils, 19 play football(F), 9 play both football and volley ball, 2y play volleyball (V) while y play other games.

a) Complete the Venn diagram below.

$$n(\Sigma)=40$$



(02marks)

b) How many pupils do not play football?

(03marks)

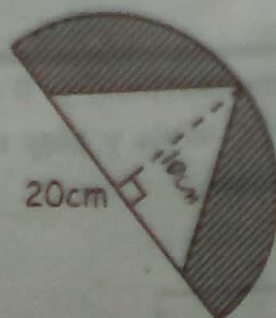
23 a) Solve for K: $2k - 5 = 13$

(02marks)

b) Salima has four times as many goats as cows. If she has 24 more goats than cows, how many cows does she have.

(03marks)

24 a) Below is a triangle inside a semi-circle. Find the area of the triangle.



b)

Workout the area of the shaded part (Use $\pi = 3.14$)

(03marks)

25a

Using a pencil and a pair of compasses only, construct a triangle ABC in which $AB=7\text{cm}$, angle $ABC = 120^\circ$ and angle $BAC = 30^\circ$.

(04 marks)

b)

Measure line BC.

(01mark)

26

Given that $y = 3x - 5$. Complete the table below.

X	4	—	$\frac{1}{3}$	—	3
y	—	-2	—	-8	4

(04marks)

27

The table below shows a journey by a bus from town V to town Z via towns W, X and Y. Study it carefully and answer the questions.

Distance in KM	Towns	Departure	Arrival
0	V	8:00am	
56	W	9:45am	9:00am
113	X	11:20am	11:00am
165	Y	2:10pm	1:00pm
273	Z		6:30pm

a) What is the distance in Km from town X to town Z?

(02marks)

b) What was the arrival time at Z in a 24 hour clock system?

(02marks)

c) Work out the average speed of the bus between town Y and town Z.

(02marks)

28 Alice, John and Ogwara shared a certain amount of money in the ratio of 3:4:5 respectively. If Ogwara got shs 36,000 more than Alice.

a) How much money was shared?

b) How much money did John get?

(03 marks)

(02 marks)

29

a)

A teacher wrote 5, 7 and 0 on different flash cards, write down all 3-digit possible numerals that can be formed using the above digits.

(02marks)

b)

Find the difference between the largest and smallest number formed.

(02marks)

c)

Expand the smallest numeral formed using place values.

(02marks)

30

a)

If $F_p = \{2_1, 2_2, n, 3_1\}$ and $F_{90} = \{2_1, n, k_1, 3_1\}$.

Find the value of n.

b) Workout the value of K.

(01mark)

c) Calculate the lowest common multiple (LCM) of F_p and F_{90}

(02marks)

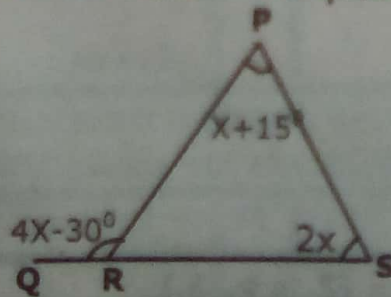
31 a) Use the distributive property to workout: $(32 \times 88) + (12 \times 32)$

(02marks)

b) Write the number whose scientific notation is 3.47×10^{-3} .

(02marks)

32 Use the figure below to answer the questions.



a) Find the value of x.

b) Workout the size of angle PRS.