



THE JEROX PRE - PLE SET I 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

ORGANISED BY:

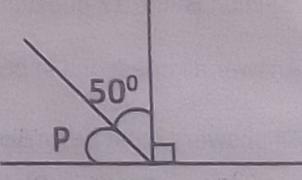


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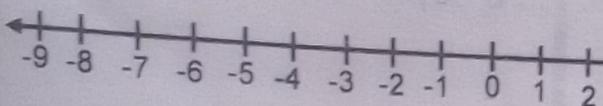
TURN OVER

SECTION A (40 Marks)

1	Workout: $48 \div 4$	2	Expand 41,684 using place values.
3	Simplify: $7p - 4y - p - 7y$	4	Given that set $W = \{m, n, e\}$, $W \cap X = \{e\}$ and $X \cup W = \{m, n, e, p, q, r\}$. Find $n(X)$
5	Six watermelons cost sh 48,000 . What will be the cost of 2 similar watermelons?	6	Solve for the value of P. 

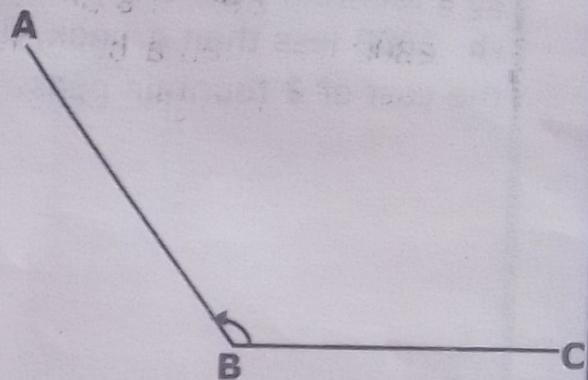
7

Multiply 3×-3 using a number line below.



8

Using a protractor, measure angle ABC drawn.



9

The average of 3, 0, 7 and n is 4. Find the value of n.

10

Change **nineteen** square metres to square centimeters.

11

Megema's Shamba is **840m** long. He planted trees **7m** apart along the length. How many trees did he plant?

12

Simplify: $-2 - -6$



13

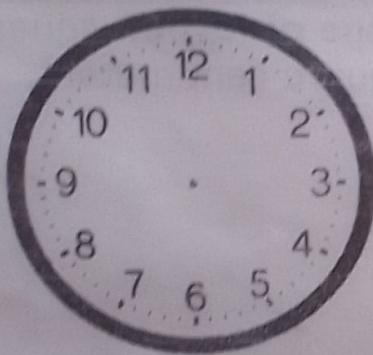
A book costs 3 times as much as a fountain pen. If a pen costs sh. 2800 less than a book, find the cost of 2 fountain pens.

14

12 women can do a piece of work in 5 days. How many women are needed to do the same piece of job in 6 days?

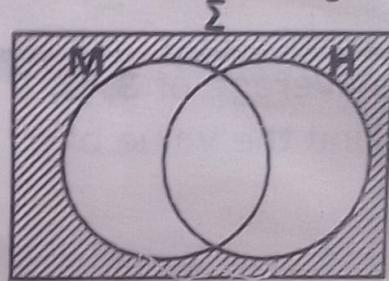
15

Show twenty-five minutes to 4 on the clock face drawn below.



16

Describe the shaded region.



17

Complete the sequence.

1, 8, 9, 27, 64, _____

18

Workout $(\frac{2}{3} \times 30) - (\frac{1}{3} \times 30)$ using distributive property.

19

Rajab read a story book of CCIV pages. Express the number of pages in Hindu Arabic.

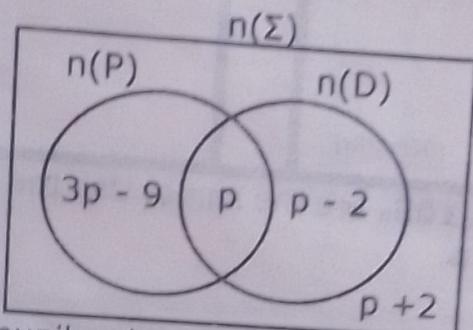
20

A man bought a bicycle at sh. 300,000 and later sold it at sh. 240,000. Calculate the man's percentage loss.

21

SECTION B (60 marks)

The Venn diagram below shows the number of pupils who attended Primary Seven leavers party at Mugomola C/U. They ate Pancakes (P) and Donuts (D) as shown.



a)

If the number of pupils who ate Pancakes only was a half of those who ate neither, find the value of P .

b)

How many pupils attended the party?

(02marks)

c)

What is the chance of picking a pupil who ate Donuts to lead the opening prayer?

(02marks)

(01mark)

22

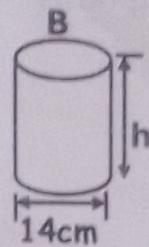
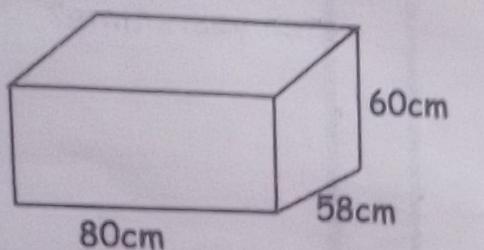
a) Use the numeral 7,047 to answer the questions that follow.
Represent the above number on the abacus.

TH	H	T	O

(02marks)

25

Kizito gave Pande a task of packing cylindrical tins of size B using radius of 14cm and height h into a big box measuring 80cm by 58cm by 60cm as shown below.



a)

If 3 layers of tins B were packed in the box, find the value of h .

b)

Calculate the volume of the space left empty after packing in the first two layers of the box.

(02marks)

(03marks)

26
a)

$$\text{Solve for } K: K + \frac{1}{3} = 8$$

b)

$$\text{Solve: } 2(3e - 1) - 4(e - 1) = 4$$

(02marks)

(03marks)



27 The ratio of the ages of two boys Otabong and Wasswa is 10:9 respectively. In 10 years time, the difference in their ages will be 3 years.

a) How old is Otabong now?

b) How old will Wasswa be in ten years time?

(03marks)

(02marks)

28 Kabuye went to the market and bought the following items.

4kg of rice for sh 4000

1/2kg of salt for sh 1200

2 bars of soap for sh w per bar

3 1/2kg of sugar for sh 5000 per kg

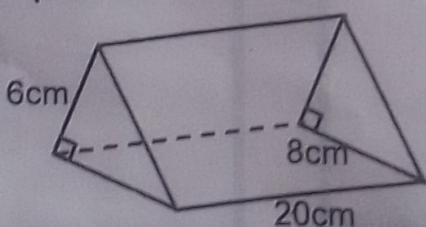
a) How much money did she spend on rice and sugar?

(03marks)

b) If he spend sh 45000 altogether, find the value W.

(02marks)

29 The diagram below shows a triangular prism. Study it carefully and use it to answer the questions that follow.



a)

Calculate the volume of the figure.

b)

Workout the total surface area of the figure.

(02marks)

(03marks)

30
a)

Kyakonye was seen **27** days ago. If today is Tuesday, which day of the week was he last seen?

b)

Solve $n + 6 = 4$ (**mode 8**)

(03marks)

(02marks)

31

Kyoga is **120km** from Kikyusa on a bearing of 130° . Kakole is 80km from Kyoga on a bearing of 070° .

a)

Using a scale of **1cm** to represent **20km**, draw an accurate diagram showing the position of the three places.

b)

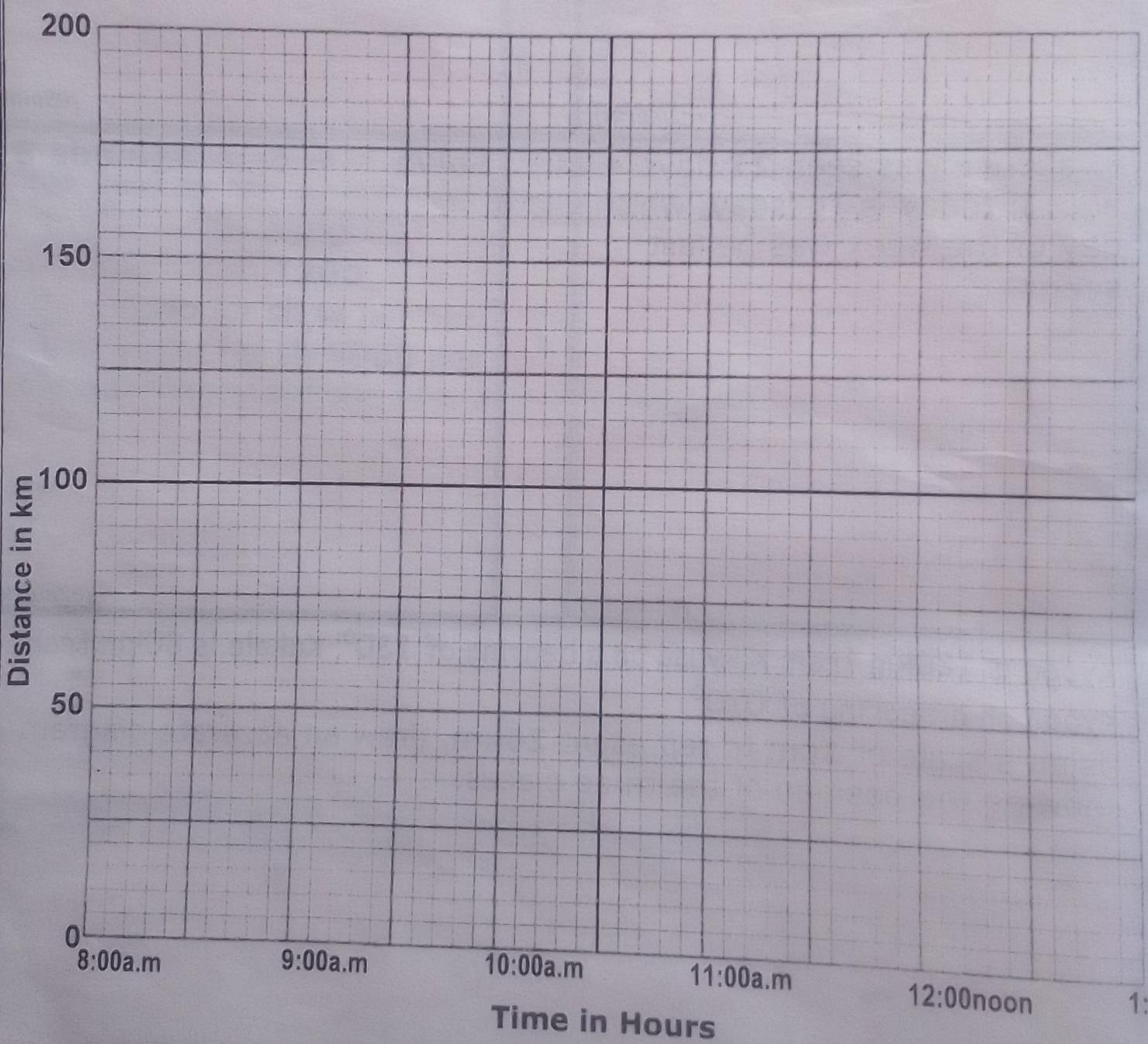
Calculate the shortest distance between Kakole and Kikyusa in km.

(04mar)

32

a)

Golola drove a lorry at 8:00am from Isingiro to Mbarara a distance of 70km at a speed of 35km/h. He rested for a half an hour at Mbarara and continued with his journey to Masaka at a speed of 40km/h for 2hours. Use the above information to show Golola's journey on the graph below.



b)

Calculate Golola's average speed for the whole journey.

(03ma)