

THE JEROX BEGINNING OF TERM 1 EXAMINATION 2024

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

FOR EXAMINER'S USE ONLY

- ☐ The paper is made up of two sections A and B
- ☐ Section A has 20 questions (40 marks) and Section B has 12 questions (60 marks)
- ☐ Answer all questions in both sections A and B
- ☐ All answers must be written in the spaces provided in BLUE or BLACK ink.
Only diagrams should be drawn in pencil.
- ☐ Unnecessary crossing will lead to loss of marks
- ☐ Poor handwriting, which cannot be easily read may lead to loss of marks.

SECTION	SCORES	REMARKS
A		
B		
TOTAL		

Teacher's comment to the pupil

CONTACT INFORMATION:



THE JEROK EDUCATIONAL CONSULTANCY-KAMPALA

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SECTION A (40 Marks)

1 Workout:
$$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$$

2 Given that set $A = \{1, 2, 3, 4, 5, 6\}$ and set $B = \{2, 3, 5, 6, 7, 8\}$. Find $n(A-B)$.

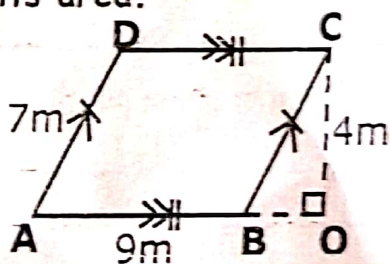
3 Express **97** in roman numerals.

4 Workout $-7 + +5$

5 Subtract: $\frac{2}{3} - \frac{1}{4}$

6 Using a ruler, a pencil and a pair of compasses only, construct an angle of 45° .

7 The figure below ABCD is a parallelogram, use it to calculate its area.



8 Solve for n : $7n - 9 = 12$



50, 12, 100, and the first of 7 similar triangles below.

Calculate the value of p .



- 11 Find the sum of the next two numbers in the sequence below.

31, 35, 41, 49, 58, _____

- 12 Change $\frac{19}{9}$ to a mixed number.

- 13 James had lunch at the time shown on the clock face below. Write the time in figures.



- 14 What number has been expanded to give $(4 \times 10^2) + (5 \times 10^1) + (7 \times 10^0)$?

- 15 Circle all square numbers from the list below.






0, 7, 16, 8, 1, 27

- 16 The heights of seedlings in a nursery bed are 6.2cm, 2.4cm, 5.0cm, 3.9cm, 5.0cm and 7.1cm. Calculate the median height of the seedlings.

- 17 The area of a rectangle is 56cm^2 and its length is 8cm. Calculate its width.

- 18 Find the value of $3^2 + 2^3 + 6^0$.

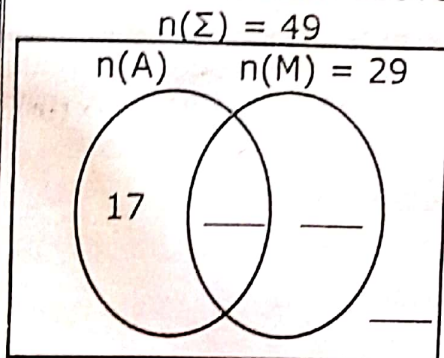
19 Simplify: $8p - 5t + p - 2t$

20 Given that  represents 7 apples. How many apples are represented by     ?

SECTION B (60 Marks)

21 In a group of 49 members, 17 members like apples only, 29 like mangoes, 7 members like both apples and mangoes while p members never liked any of the two fruits.

a) Use the information above to complete the Venn diagram below.



(03 marks)

b) Find the value of P .

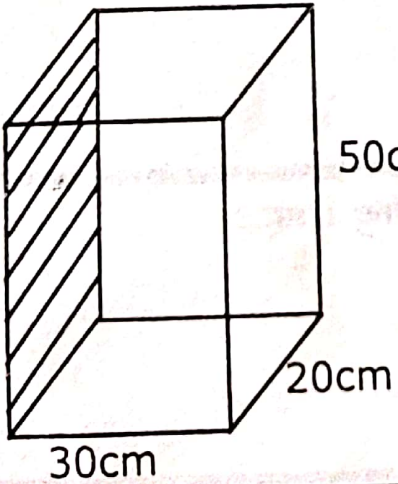
(02 marks)

22 a) Workout:

$$\begin{array}{r} 204_{\text{five}} \\ + 32_{\text{five}} \\ \hline \end{array}$$

(02 marks)



b)	Find the value of 3 in 2301 _{five} .	c)	What is the place value of 2 in 1203 _{four} ?
	(02 marks)		(01 mark)
23 a)	Using a ruler, a pencil and a pair of compasses only, construct a rectangle PQRS such that PQ = RS = 7cm and QR = PS = 4cm .		
	(04 marks)		
b)	Measure angle QPR .		
	(01 mark)		
24	<p>The diagram below shows a cuboid with length 30cm, width 20cm and height 50cm. use it to answer the questions that follow.</p> 		



a) Calculate the area if the shaded part.

(02 marks)

b) How many litres of water can the above tank hold when completely full?

(03 marks)

25
a)

Workout: $\frac{1}{2} + \frac{1}{3} - \frac{1}{4}$

(02 marks)

b)

Simplify: $\frac{4.8 \times 0.6}{0.3}$

(03 marks)

26 The sum of three consecutive multiples of 3 is 63.

a) Find the three multiples.

(04 marks)

b) Find the range of the multiples

(01 mark)

27 Juma went shopping and bought the following items.

2kg of sugar at Sh.5800 per kg.

$1\frac{1}{2}$ kg of salt at Sh.1600 a kg.

500ml of cooking oil at Sh.4800 each litres.

A loaf of bread at Sh.6000.

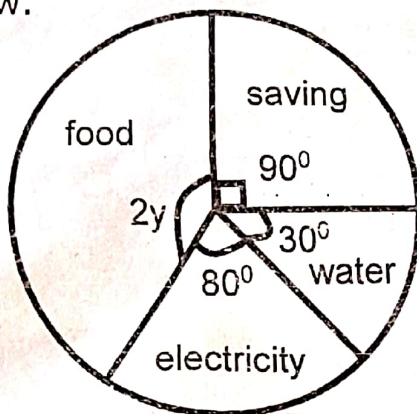
a) Calculate his total expenditure.

(04 marks)

b) If he had **Sh.45000** at first, how much money did he remain with?

(01 mark)

28 The pie-chart below shows how Mr. Sekasi spent his monthly salary of **Sh.180,000**. Study it carefully and use it to answer the questions that follow.



a) Find the value of **y**.

(02 marks)

b) How much more does he spend on food than on electricity?

(03 marks)

29 Solve $3(x + 2) = 12$.

a)

(02 marks)

b) Mukiibi is 9 years older than Semakula. If their total age is 61 years. How old is Mukiibi?

(03 marks)

30 In class of **320** pupils, **40%** of the pupils are boys and the rest are girls.

a) What percentage are girls?	b) How many more girls than boys are in the class?
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(02 marks)

(03 marks)

31 A driver left Kampala at **8:30a.m** driving at a steady speed of **80km/h** and reached Masaka at **10:00a.m**.

a) How long did he take to drive from Kampala to Masaka?	b) Calculate the distance between Kampala and Masaka.
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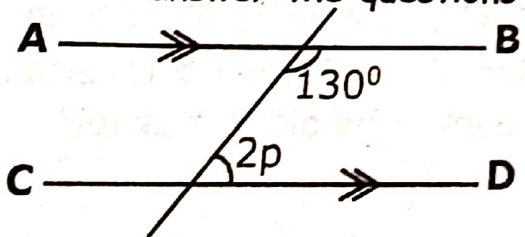
(02 marks)

(03 marks)

32 Find the supplement of **120°**.

(02 marks)

b) In the diagram below, line AB is parallel to line CD. Study it carefully and use it to answer the questions that follow.



Find the value of **p**.

(03 marks)