

THE JEROX MID TERM I 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

- 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

ORGANISED BY:



THE JEROX EDUCATIONAL CONSULTANCY-KAMPALA

PUBLISHERS OF: THE JEROX HOLIDAY PACKAGES, PUPILS DAILY ACTIVITY BOOKS, READING AND SPELLING STRATEGY BOOKS

P.O BOX 12441 KAMPALA TEL: 0776253661 / 0701253661 / 0753253661

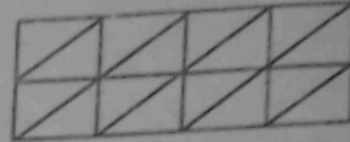
SECTION A (40 Marks)

1 Subtract:
$$\begin{array}{r} 543 \\ - 312 \\ \hline \end{array}$$

2 Write 442,061 in words.

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

4 Shade $\frac{5}{8}$ on the diagram.



5 Find the next number in the sequence.
40, 36, 33, 29, 26, _____

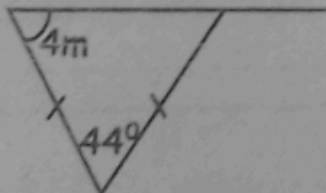
6 On the clock face, show a quarter to 12 o'clock.



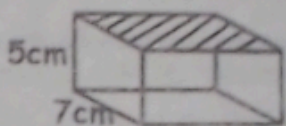

7 Using a ruler and a pair of compasses only, construct an angle of 60° .

8 Solve for k: $6 - 2k = 10$

9 Study the diagram below and find the value of m.



10 A cyclist travelled 180km in 100 minutes. Work out the cyclist speed.

11	Given that $w = 10$, $e = -4$ and $c = 8$, evaluate $ec - 2w$.	12	Find the square root of $1\frac{9}{16}$.
13	Six men can do a piece of work in 12 hours. How many men can do the same work in 9 hours.	14	The volume of the cuboid is 315cm^3 . Find the area of the shaded part. 
15	If set $P = \{a, b, c, d, e\}$. How many subsets has set P?	16	Simplify: $-8 + +6$
17	Given that  represents 6 pumpkins, draw pictures to represent 24 pumpkins.	18	A retailer bought tea leaves in packets of 200g each. How many packets did he buy to make 10kg of tea leaves?

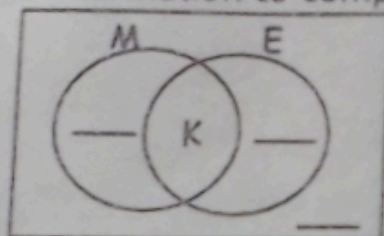


19 Workout:
$$\begin{array}{r} 142 \text{ five} \\ - 43 \text{ five} \\ \hline \end{array}$$

20 Sanyu arrived in Uganda with us dollars 250. If 1US dollar rep Ugsh 3600, how much money was she given in the forex bureau?

SECTION B

- 21 In a class of 49 pupils, 20 like English (E), 25 like Maths (M), K like both subjects while 3K like neither of the two subjects.
a) Use the information to complete the Venn diagram.

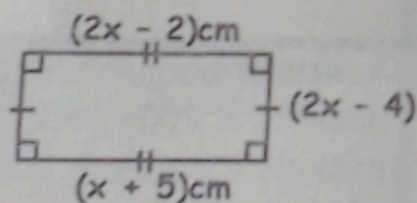


(03 marks)

- b) Find the value of K.

(02 marks)

- 22 Use the figure below to answer the question.



- a) Find the value of x.

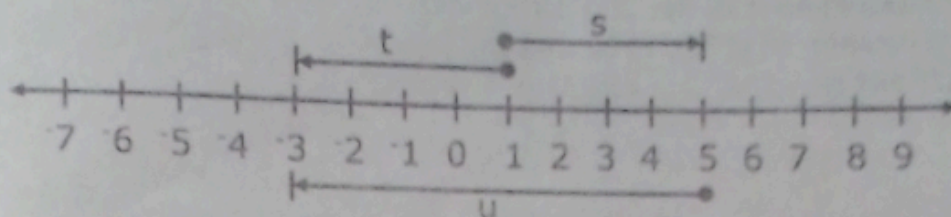
- b) Workout its perimeter.

(03 marks)

(02 marks)



23 Use the number line to answer questions.



a) Write the integer represented by the arrows.

$t =$ _____

$s =$ _____

$u =$ _____

(03 marks)

b) Write a mathematical statement represented on the number line above.

(02 marks)

24 The sum of 3 consecutive even numbers is 78. Find the numbers.

(04 marks)

25 John wrote 3-digit numbers using 1, 0 and 9.

a) Write all the 3-digit numbers from the digits above.

(04 marks)

b) Work out the sum of the largest and smallest numeral formed.

(01 mark)



- 26 A mother went to the market and bought the following items.
3kg of rice at Sh.4800 each kg.
A heap of 5 tomatoes at Sh. 200 per tomato.
500ml of cooking oil at Sh. 7000 a litre.
How much did she spend altogether?

(04 marks)

- 27 Using a ruler, a pencil and a pair of compasses only construct a regular hexagon in a circle of 3cm as its radius.
a)

(04 marks)

- b) Workout its perimeter.

(02 marks)



28 A motorist covered a distance from home to town at an average speed of 40km/h in 3 hours. He returned at an average speed of 60km/h.

a) Calculate his average speed for the whole journey.

b) If he left home for town at 6:00am. when did he come back home?

(03 marks)

(02 marks)

29 a) Change 101_{two} to base five.

b) Find the value of the underlined: $\underline{1}101_{\text{two}}$

(03 marks)

(02 marks)

30 a) Solve for w: $3(w - 6) = 18$

b) If $b = 4$, $c = 5$, find the value of $\frac{1}{3}(b^2 + c)$

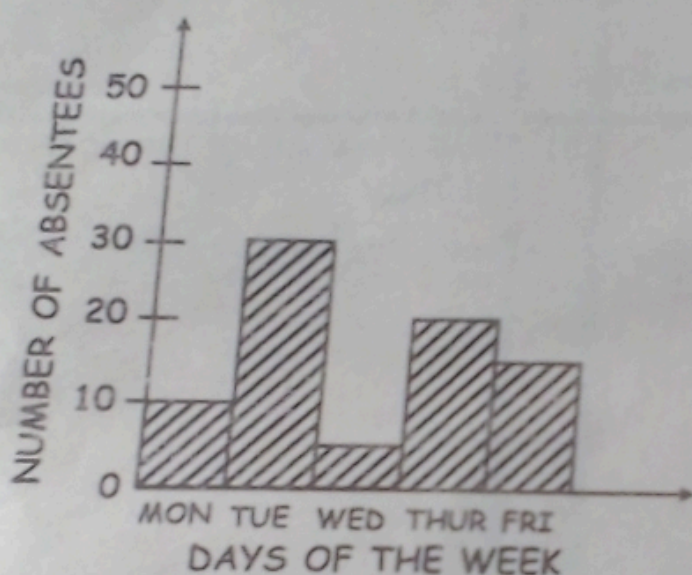
(02 marks)

(03 marks)

- 31 Three men **A**, **B** and **C** shared their money in a ratio of **7:3:5** respectively. If **A** got **Sh.35,000**, how much did **A** get more than **B**.

(04 marks)

- 32 The graph shows the absentees of Lake View Primary School in a class of 50 pupils.



- a) When was the least absentees recorded that week?

(01 mark)

- b) How many pupils were present on Thursday?

- c) Calculate the average number of pupils present in a week.

(02 marks)

(02 marks)