

HORMISDALLEN SCHOOL KAMWOKYA

PRIMARY SEVEN MATHEMATICS

PRE-MOCK EXAMINATIONS SET I 2022

Time allowed: 2 hours 30 minutes

Candidate's name: _____

Candidate's Signature: _____

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District: _____

**FOR EXAMINER'S
USE ONLY**

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 20 short questions (40 marks)
3. Section **B** has 12 questions (60 marks)
4. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated for Examiner's use only.

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Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 32		
TOTAL		

Turn over

SECTION A

1. Work out:
$$\begin{array}{r} 825 \\ + 174 \\ \hline \\ \hline \end{array}$$
2. Write in figure 45000 in words.
3. Show 7023 on the abacus.

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4. Work out: 73×4
5. Write XCIV in Hindu Arabic Numerals.
6. 4 books cost Sh. 2400. Find the cost of 6 similar books.
7. Workout $1101_{\text{two}} + 110_{\text{two}}$
8. Simplify $(-2) - (-7)$

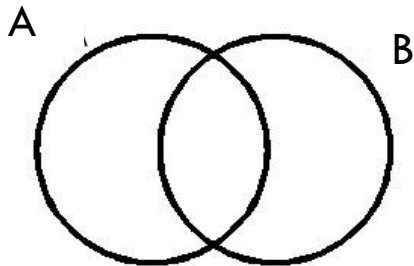
9. Find the next number in sequence. 2,3,5,7, _____, _____

10. Given that $a = \frac{1}{2}$ and $b = 72$. Find the value of ab

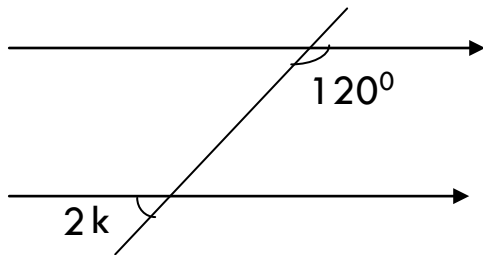
11. A baby started sleeping at 2:50pm and woke up at 3:20pm. For how long was she a sleep?

12. Given that  represents 20 pineapples. How many pictures will represent 120 pineapples?

13. In The diagram below, shade $(A \cap B)$ complement



14. Find the value of k in degrees.



15. Using a ruler, a pencil and protractor, draw an angle of 45° .

16. What is the place value of 6 in the number 56748?

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17. Calculate the circumference of a circular garden whose diameter is 28cm

18. Simplify: $4x - 3y + 2x + 3y$

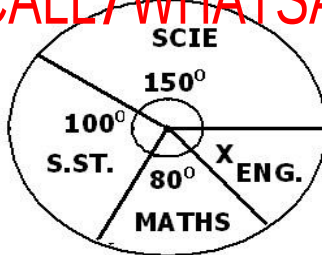
19. Work out $6 \div 2(1+2)$

20. Komodo paid back the amount worth sh. 14400 to the bank after using it for a period of 2 years at a simple interest rate of 10%. Calculate his principal.

SECTION B

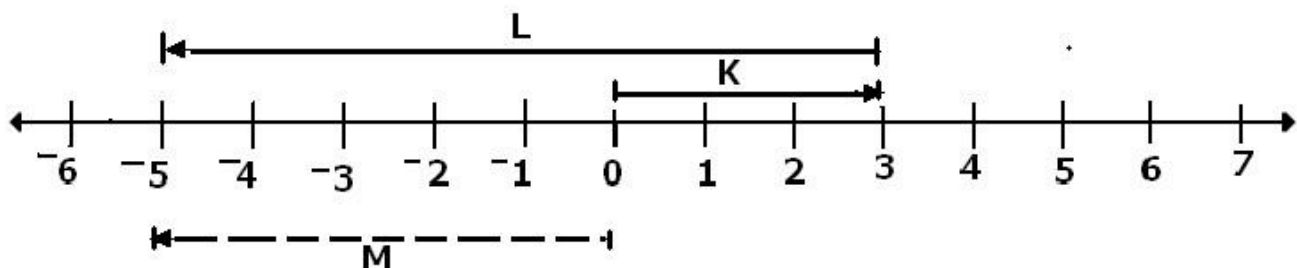
21. The pie – chart below represents 36 boxes of books in a store, study it and answer the questions that follow.

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- (a) Find the value of x in degrees. (3marks)
- (b) How many boxes contain science books?(2marks)

22. Use the number line below to answer the questions that follow.



(a) Name the integers represented by:(1 mark@)

(i) $K =$ _____ ii) $M =$ _____ (iii) $L =$ _____

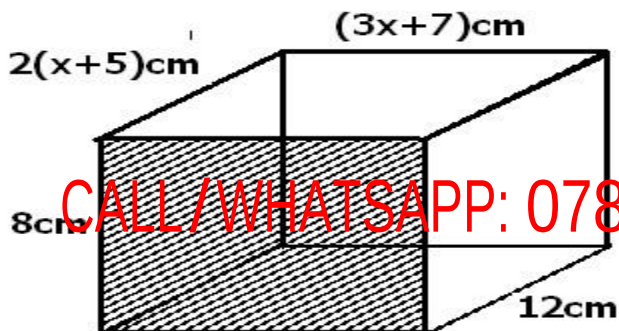
(b) Write the mathematical sentence shown on the above number line.

(2marks)

23(a) Solve: $2(4x - 2) - 3(x - 1) = 9$ (2marks)

(b) Solve and write a solution for $5p - 2 > 3(p + 4)$ (3marks)

24. Study the diagram below carefully and answer the following questions.



a) Calculate the value of x . (3marks)

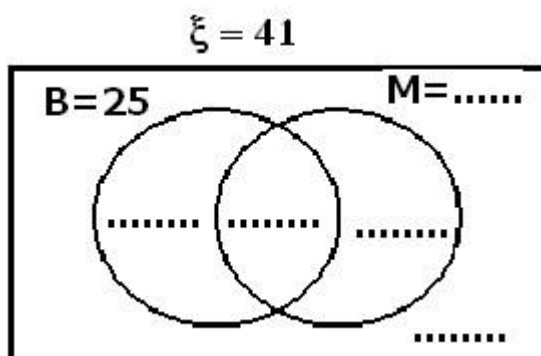
(b) Work out the area of the shaded part.(2marks)

25. Using a ruler, a pencil and a pair of compass only, construct a rectangle ABCD where $AB = 8\text{cm}$ and $BC = 6\text{cm}$. measure the length of diagonal BD (6marks)

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26. There are 41 pupils in a class. 25 like Busera (B), 7 like both Busera and Munanansi, a + 5 like Munanansi only (M) while 4 dislike the two drinks.

(a) Complete the Venn diagram given below using the above information. (3marks)



(b) Find the value of a .

(2 marks)

27.(a) Find the value of X in $3 + X = 2$ (finite 5)

(2 marks)

(b) Use a clock dial to find the value of w in $2 - 3 = w$ (finite 5) (2 marks)

(c) Express 4678 in scientific notation (1 mark)

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28. (a) The interior angle of a regular polygon is 100° more than its exterior angle. Name the polygon (3marks)

(b) Calculate its interior angle sum. (2marks)

29. In a school $\frac{1}{4}$ of the pupils are in Kabalega House and $\frac{1}{3}$ of the remainder are in Mburu House. And the rest in Kidepo House. If 145 pupils are in Kidepo House.

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(a) How many pupils are in the school?(2marks)

b) Simplify: $\frac{0.12 \times 4.2}{0.03 \times 0.7}$ (3marks)

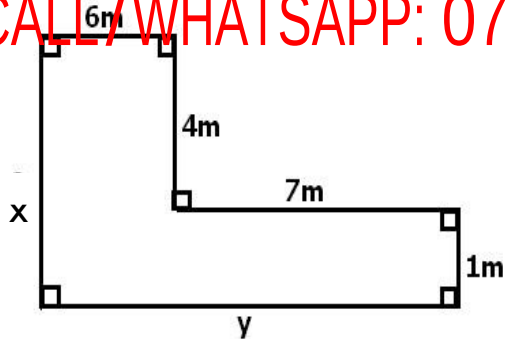
30. Obeta, Oduman and Otim shared some mangoes in the ratio of 7: 2: 3 respectively. If Otim got 21,000 mangoes,

(a) How many mangoes did they share altogether? (3marks)

(b) How many more mangoes did Obeita get than Oduman?(2marks)

31. Opio has a garden of the shape shown below:

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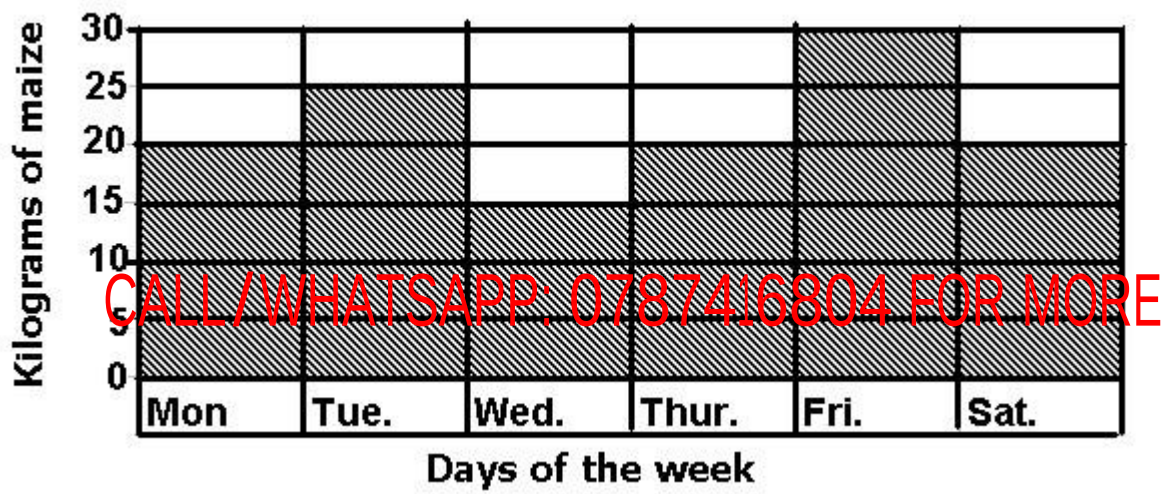
a Find the value of:

(i) x (1 mark)

(ii) y (1 mark)

(b) Calculate its Perimeter. (2marks)

32. The graph below shows kilograms of maize sold by Paul in thousands



a) On which days of the week were the sales the same? (1 mark)

b) On which day of the week was the sales the highest?(1 mark)

c) On which day of the week was the sales the lowest?(1 mark)

d) How many kilograms of maize were sold altogether? (2marks)

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END