

KCCA PRIMARY SCHOOLS EXAMINATIONS COMMITTEE
PRIMARY SIX END OF TERM I EXAMINATIONS 2023
MATHEMATICS



TIME ALLOWED: 2 HOURS 30 MINUTES.

PUPIL'S NAME: _____

SCHOOL: _____

DIVISION: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

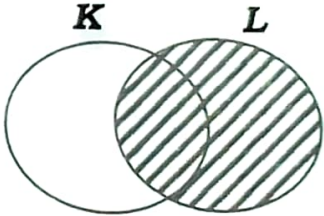
1. This paper is made up of two sections: **A** and **B**
2. Section **A** has **20** questions (**40** marks)
Section **B** has **12** questions (**60** marks)
3. Answer **all** questions. **All** answers to both section **A** and **B** must be written in the spaces provided.
4. ALL answers **MUST** be written using a **Blue** or a **Black** - point pen or fountain pen.
5. Un-necessary changes of work may lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do **not** fill any thing in the boxes shown

"For Examiner's use only".

**FOR EXAMINERS'
USE ONLY**


QN. NO	MARKS	SIGN.
1 – 10		
11 – 20		
21 – 25		
26 – 30		
31 – 32		
TOTAL		

SECTION A (40Marks)

1. Work out: $136 + 42$	2. Write 2020 in words.
3. Given that Set A = {0, 2, 4, 6, 8} B = {0, 1, 2, 3, 4, 5}. Find $n(A \cup B)$	4. What is the place value of 8 in 386724 ?
5. Find the next number in the sequence: 16, 13, 11,	6. Write 194 in Roman numerals.
7. Solve: $4m + 5 = 17$	8. Describe the shaded part. 
9. Simplify: $7y + x - 2y + 3x$	10. Round off 5872 to the nearest hundreds.

11. The cost of **7** books is **sh. 2,800**. How many books would one buy if he had **sh. 4,800**?

12. Write $4\frac{1}{8}$ as an improper fraction.

13. If  stands for **16** apples, how many apples are shown below



14. Joan walked to school for **1 $\frac{1}{4}$** hours. Express her time in minutes.

15. **Simplify:** $-5 + -3$

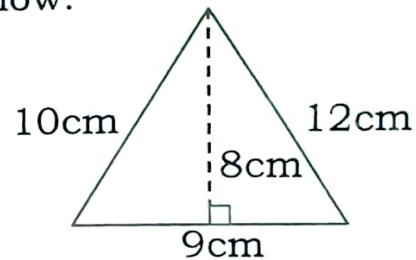
16. Convert **143_{five}** in decimal system

17. List down all the factors of **36**.

18. Using a protractor, draw an angle of 60° .

19. How many quarters are in a twenty litre jerrycan?

20. Calculate the area of the figure below.



SECTION B

21. In a school of **480** pupils, $\frac{3}{8}$ of them are girls and the rest are boys.

a. What fraction of the pupils are boys?

(1mark)

b. How many girls are in the school? (2marks)

c. How many more boys are in the class than girls? (3marks)

22. Workout the following:

i. Add: **YEARS** **MONTHS**

$$\begin{array}{r} 2 \quad 5 \\ + 6 \quad 8 \\ \hline \end{array}$$

(2marks)

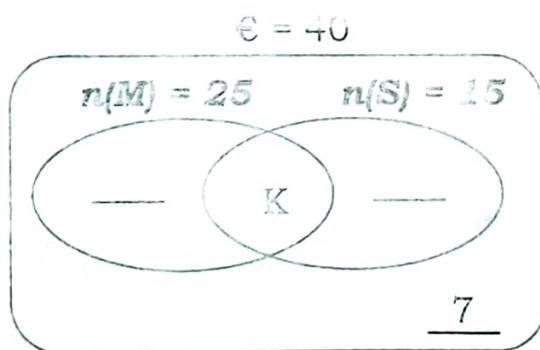
ii. Subtract: **WKS** **DAYS**

$$\begin{array}{r} 7 \quad 4 \\ - 4 \quad 5 \\ \hline \end{array}$$

(2marks)

23. In a class of 40 pupils, 15 like Swahili (S), 25 like Music (M) and 7 don't like any of the two subjects while K like both subjects.

a. Represent the above information on the Venn diagram. (2marks)



b. Find the number of pupils who like both subjects. (2marks)

c. What is the probability of picking a prefect who likes Swahili only? (1mark)

24. Bakyala got the following marks:

Maths - 60%

Science - 55%

English - 70%

S.S.T - 45%

R.E. - 60%

Find the;

a. Median

(1mark)

b. Mode

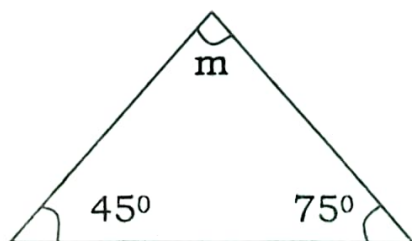
(1mark)

c. Mean

(3marks)

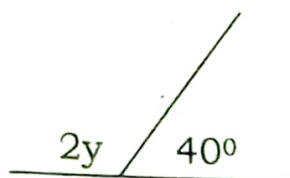
25. Find the value of the unknown angle.

a.



(3marks)

b.



(2marks)

26. Moses bought the following items.

$1\frac{1}{4}$ kg of sugar at sh. 3,200 per kg
2kg of rice at sh. 4,000 per kg
 $1\frac{1}{2}$ kg of onions at sh. 6000

a. How much did she spend altogether?

(3marks)

b. If she was given a change of **sh. 5,000**, how much money did she go with? (2marks)27. Given that **y = 4**, **w = 3** and **z = 6**.
Find the value of;i. wyz

(2marks)

ii.

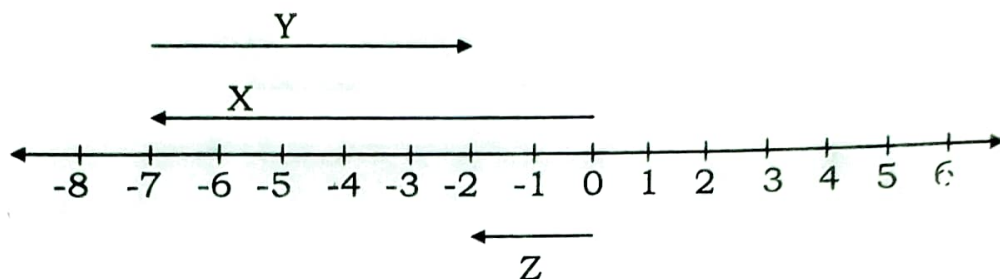
$$\frac{yz}{w}$$

(2marks)

iii. $y + w + z$

(1mark)

28. Study the number line below and answer the questions below.



a. Name arrow; i) Y

(1mark each)

ii) X

iii) Z

b. Write a mathematical statement for the above number line.

(2marks)

29. Amina slept at **1:15pm** and woke up at **7:55pm**.

i. For how long did she take sleeping?

(3marks)

ii. What morning time is shown on the clock face?

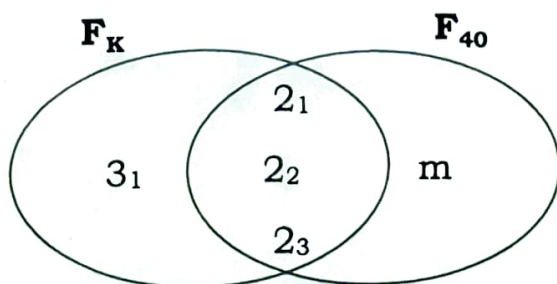
(2marks)



30. Using a ruler, a pencil and a pair of compasses only. Construct a square of side **5cm**.

(5marks)

31. The Venn diagram shows the prime factors of **K** and **40**.
Use it to answer the questions that follow.



a. Find the value of; i) **K**

(2marks)

ii) **M**

(2marks)

b. Workout the **G.C.F** of **K** and **40**.

(1mark)

32. **Subtract:** $\frac{2}{3} - \frac{1}{7}$

(2marks)

a.

b. Shade the fraction $\frac{3}{5}$ in the diagram below.

(2marks)
