

**KALUNGU DISTRICT PRIMARY LEAVING
MOCK EXAMINATION - 2024**

**P.7 MATHEMATICS
DURATION: 2 HOURS 30 MINUTES**

School: _____

EMIS No.					Personal No.		

Candidates Name: _____

Candidates' Signature: _____

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

READ THE FOLLOWING INSTRUCTIONS

1. This paper has two sections **A** and **B**.
2. Section **A**, has 20 questions and **B** has 12 questions.
3. Answer **all** questions. **All** the working for both section **A** and **B** must be shown in the spaces provided.
4. **All** the working **must** be done using a blue or **black** ball point pen or ink. Any work done by pencil other than graphs and diagram will **not** be marked.
5. **No calculators** are allowed in the examination room.
6. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
7. Do not fill anything in the table indicated: **"FOR EXAMINER'S USE ONLY"**

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	EXR' NO.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

Turn over

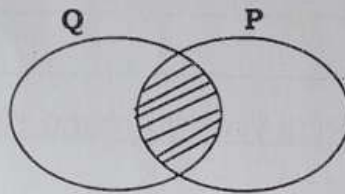
SECTION A

1. Subtract:

$$\begin{array}{r} 199 \\ - 83 \\ \hline \end{array}$$

2. Write **"ten thousand two hundred eleven"** in figures.

3. Describe the unshaded region in the diagram below.




4. Write the multiplicative inverse of $3\frac{1}{4}$.

5. Find the next number in the sequence.
1, 4, 9, 16, _____

6. An examination started at 11:40am and lasted for $2\frac{1}{2}$ hours. When did it end?

7. Simplify $-5 + -3 =$

8. Given that $m=2$ and $n=-7$
Find the value of $\frac{mn}{n}$

9. If  represents 9 balls. Draw pictures to represent 36 balls.

10. Zam had a bundle of one thousand shillings notes numbered from BC 26672 to BC 26701. How much money did she have?

Index No. _____
 Date _____
 Page No. _____
 Read the following text carefully and answer the questions that follow.
 The text is about the importance of education and the role of teachers. It discusses how education shapes the future and how teachers are the ones who guide students on their journey. The text also mentions the challenges that teachers face and the rewards of their profession.

11. Calculate the area of the figure below.



12. Using a ruler and a protractor only, draw an angle of 135° .

13. Given that $\text{set } Q = \{a, b, c\}$. Find the number of subsets in set Q .

Index No. _____

Pupil's Name _____

School Name _____

Read the following instructions:

The paper has two sections: A and B. You must answer all questions in section A and any 10 questions in section B. The total mark is 40. You must show all working in section B.

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25-26 27-28 29-30

14. Change 15 to binary base.

15. Write $12\frac{1}{2}\%$ as a fraction in its simplest form.

16. Express the number whose standard form is 9.61×10^{-3} .

17. Solve for x :
 $3x + 5 = 2x$

18. Find the value of p in the diagram below.

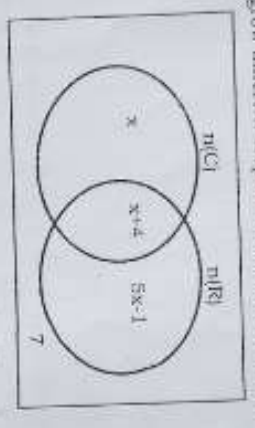


19. How many $\frac{2}{5}$ litre cups can be got 36 litres of cooking oil?

20. Workout the mean of 9, $3x$, 0, $2x$ and 6.

SECTION B

21. The venn diagram below shows the number of farmers who grow different crops on a community farm.



a) If 24 farmers grow cassava, find the value of x . (3marks)

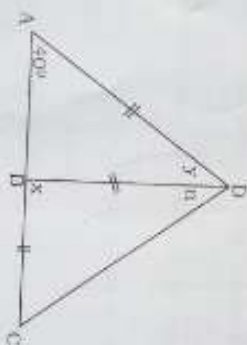
b) How many farmers grow only one crop? (2marks)

22. Four girls Maria, Mercy, Mable and Michelle shared sweets in the ratio of 2:3:1:4 respectively. If Michelle got 24 sweets.

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

b) How many more sweets did Mercy get than Mable? (2marks)

23. In the figure below, represents isosceles triangle AD-BD-BC.



a) Find the size of angle y . (2marks)

b) Calculate the size of angle x . (2marks)

Q) Work out the size of angle x .

[2 marks]

24. The sum of 3 consecutive odd numbers is 81. If the first number is P . Find the value of P . (4 marks)

25. The table below shows marks scored by some pupils. Use it to answer questions that follow.

Marks	40	54	80	72
Number of pupils	3	n	1	2

a) If the mean mark of the pupils was 59, find the value of n . (4 marks)

b) Find the number of pupils who scored the above marks in the table. (1 mark)

Index No. _____
 Name _____
 Time Allowed : 20 minutes
MATHS
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COUHEIA MATHS
 Date _____
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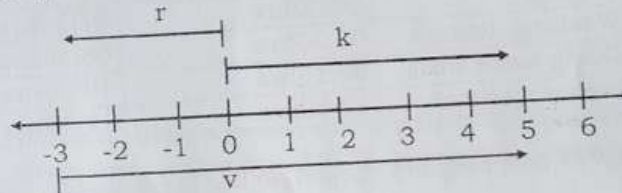
Following instructions carefully:
 1. Read the questions carefully.
 2. Write your answers in the spaces provided.
 3. Use a ruler and compass for construction.
 4. Do not use a calculator.
 5. Show all your working.

16-20
11.1
5.1
1.1
1.1

26. The table shows Musa's shopping list. Study it and answer questions that follow; (5marks)

Item	Quantity	Unit cost	Total cost
Sugar	2 ½kg	Shs. 5,000=	Sh _____
Salt	_____ kg	Shs. 1200=	Sh. 600=
Soap	3bars	Sh _____	Sh 9,900=
Rice	_____ kg	Sh. 3,000=	Sh _____
Total expenditure			Sh. 26,500=

27. Study the diagram below and answer the questions that follow;



- a. Write the integers represented by the arrows.

- i) k _____ (1mark)
 ii) r _____ (1mark)
 iii) v _____ (1mark)

- b. Find the additive inverse of integer represented by arrow r. (2marks)

28. Solve; $5(y-3) - 4(2-y)=4$ (3marks)

- b) Given that $a=3$, $b=3$ and $c=5$.
Find the value of $\frac{ac - b}{ab}$

(2marks)

29. The table below shows how a P.7 girl spent her morning hours every day during school holidays.

Activity	From	To
Praying	06:00hrs	07:30hrs
Washing utensils	07:30hrs	08:10hrs
Doing home work	08:10hrs	10:20hrs
Preparing lunch	10:20hrs	12:30hrs

- a) For how long did the girl do her homework? (1mark)

- b) Express the ending time of preparing lunch in a 12-hour clock system. (2marks)

- c) How long did the girl spend on washing utensils and doing homework. (2marks)

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 Archdeaconry: _____
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 For examiners' use only:
 16-20
 21-22
 23-24

30. A builder used small bricks each measuring 15cm by 8cm to cover a compound of 30m by 20m. How many bricks did he use? (3marks)

b) If each box contains 200 bricks, how many boxes of bricks are needed to cover the whole compound? (2marks)

31. Using a ruler, a pencil and a pair of compasses only, construct a rhombus ABCD where AB=6.5cm and angle BAC=60°. (4marks)

b) Measure angle ABC

(1mark)

32. Simplify; $\frac{0.02 + 0.22}{0.65 - 0.53}$

(2marks)

b) Workout: $\frac{1}{2} \div \frac{1}{4} + \frac{1}{3} \times \frac{1}{5}$

(3marks)

END