BROAD EXAMINATIONS®

P.5 MATHEMATICS EXAMINATION

TRIAL SET I TERM III 2024

Time allowed: 2 hours 30 minutes

Pupil's Name.....

School Name: .....

District Name: .....

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**)
3. Section **B** has **12** questions (**60 Marks**)
4. Answer **ALL** questions in both sections **A** and **B**.
5. All answers must be written in the space provided in blue or black ball point pens and ink. **Only diagrams should be done in pencil.**
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting, which cannot be easily read, may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated for Examiners' use only.

FOR EXAMINERS' USE ONLY		
PAGES	MARKS	SIGN
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
TOTAL		

Teacher's comment to the learner

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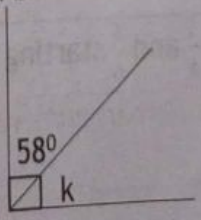
Approved by:

Team Head Mathematics Department

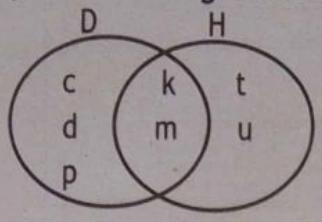
SECTION .A. (40 Marks)

1.	Subtract: $\begin{array}{r} 45 \\ -32 \\ \hline \\ \hline \end{array}$	2.	Find the missing number in the equation below. $\square + 6 = 15$
3.	Expand 178 using place values.	4.	Given that set R = {p, o, t, s} and set T = {s, p, o, k}, find n(R∪T).
5.	Find the Greatest Common Factor of 12 and 16.	6.	Convert $2\frac{1}{2}$ hours into minutes.
7.	Draw an angle of 65^0 using a pencil and a protractor in the space below.	8.	Work out: $\frac{2}{3} + \frac{1}{4}$
9.	Write 23 as a Roman numeral.	10.	Subtract: $\begin{array}{r} \text{Kilogrammes} \quad \text{Grammes} \\ 15 \quad\quad 780 \\ -\ 3 \quad\quad 255 \\ \hline \\ \hline \end{array}$

11.	A trader bought a dress at sh. 30,000 and sold it at sh. 32500. How much profit did the trader get?	12.	Draw tallies to represent 13 in the space below.
13.	Find the missing numbers in the sequence below. 2, 4, 7, 11, _____, _____	14.	Change $4\frac{2}{3}$ to an improper fraction.
15.	Work out: 203 x 4 _____ _____	16.	Given that set Q = (prime numbers less than 10), list all members of set Q.
17.	Tell the afternoon time shown on the clock face below. 	18.	How much money is there in 8 - five hundred shilling coins?
19.	The table below shows the number of boys and girls in P.5 class at a certain school. Boys 32 Girls 28 Find the total number of pupils in that class.	20.	Find the value of angle marked k in the diagram below. 

SECTION .B. (60 MARKS)

21. **Study the venn diagram below and answer the questions about it.**



(a) List members of set;
(i) D

(ii) $H \cap D$

(b) Find;
(i) $n(D \cup H)$

(ii) $n(H - D)$

(06 Marks)

22. **Given the numeral 3502, use it to answer the questions that follow.**

(a) Expand the numeral above using values.

(b) How many tens make up the value of 5 in the numeral above?

(c) Write the above numeral in words.

(04 Marks)

23. Arrange $\frac{1}{2}$, $\frac{2}{3}$, $\frac{1}{4}$ and $\frac{5}{6}$ starting with the smallest.

(05 Marks)

24. The table below shows Peter's bank slip for Term three. Study and complete it correctly.

Notes	Number of notes	Amount
sh 1,000	5	sh. _____
sh 2,000	3	sh. _____
sh 5,000	4	sh. 20000
sh 10,000	2	sh. _____
sh 50,000	_____	sh. 50, 000
Total		sh. _____

(05 Marks)

25. Using a pencil, a ruler and a pair of compasses only, construct a regular hexagon of side 5cm.

(04 Marks)

26. (a) Simplify; 8 cows + 3 sheep - 6 cows

(b) What number is divided by 5 to give 7 as the result?

(c) Solve; P + 11 = 20

(06 Marks)

27. (a) List all common factors of 10 and 15.

(b) Find the Lowest Common Multiple of 4 and 5.

(c) What number has been prime factorized to give $\{2_1, 2_2, 3_1\}$?

(06 Marks)

28. **The calendar below shows the month of October. Use it to answer the questions about it.**

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

(a) On which day did the month begin?

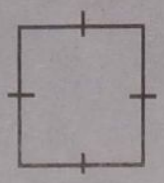
(b) How many weekends are shown on the month above?

(c) What important event is celebrated on the shaded date?

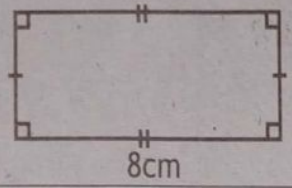
(d) How many days has the month above?

(4 marks)

29. (a) How many lines of folding symmetry has the figure below?



(b) **Below is a rectangle. Use it to answer questions about it.**



(i) Work out its area.

(ii) Find the total distance around the rectangle above.

(06 Marks)

30. (a) Change 213_{five} to base ten.

(b) Add: 3 0 2 five
+ 1 2 4 five

(04 Marks)

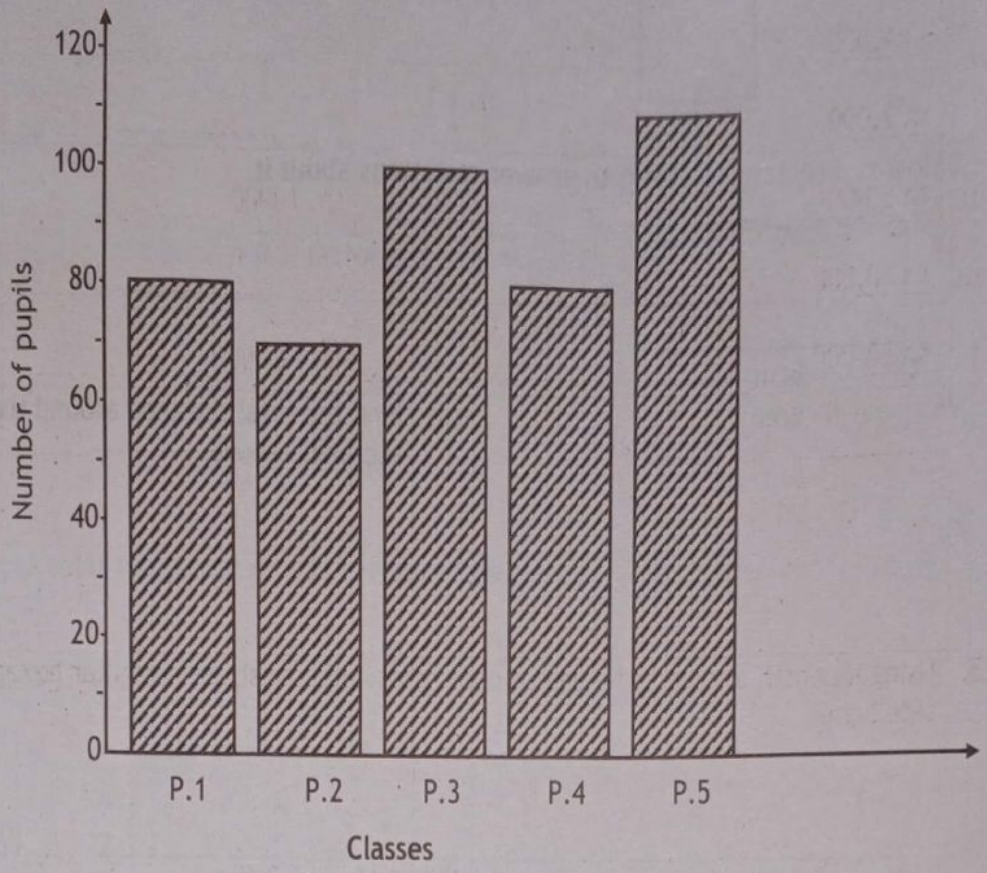
31. (a) Convert 4.5 litres to millilitres.

(b) Work out;

Kilometres	Metres
13	5 3 0
- 8	7 3 5

(04 Marks)

32. The bar graph below shows the attendance of pupils in five classes at Kiiko Primary school on a certain day. Use it to answer questions that follow.



(a) How many pupils were present in P.2?

(b) Which two classes had the same attendance?

(c) If there are 105 pupils in P.3, how many pupils were absent that day?

(d) Find the total number of pupils who attended school that day.

(06 Marks)

END