BROAD EXAMINATIONS®

P.5 MATHEMATICS EXAMINATION

END OF TERM II 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 EXAMINER'S 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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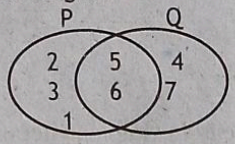
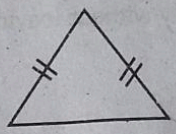
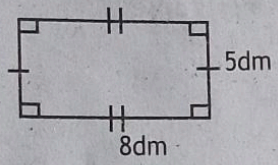
Approved by:

Team Head Mathematics Dept.

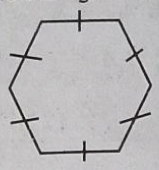
SECTION .A. (40 Marks)

1.	Add: $\frac{1}{4} + \frac{2}{4}$	2.	Write 35 in Roman numerals.
3.	Multiply; 42 x 7	4.	List elements of set Q only in the venn diagram below. 
5.	Write the next number in the sequence below;. 1, 3, 5, 7, _____	6.	Expand 4021 using place values.
7.	The cost of a bar of soap in Okello's shop is sh. 6000. How many bars of soap can a customer buy with sh. 12000?	8.	Work out; 4 - 2 + 3
9.	Convert 4m to cm.	10.	Write the place value of 6 in 4,623.

11.	How many days are in the fifth month of the year?	12.	How many lines of folding symmetry are in the figure below? 
13.	Work out the area of the figure below; 	14.	Dismus left home to the market at 8:00a.m. and took 2 hours on the way. At what time did he reach the market?
15.	Find the GCF of 20 and 12.	16.	Amos sold his hen at sh. 40,000 and a rabbit at sh. 12,000. How much money did he get altogether?
17.	Find the missing number. ☐ x 4 = 20	18.	Find the diameter of a circle whose radius is 10cm.

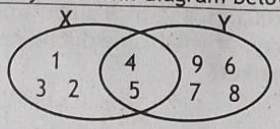
19. Find the lowest number of mangoes that can be shared by either 8 or 12 boys equally without leaving a remainder.

20. Name the figure below.



SECTION .B. (60 Marks)

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



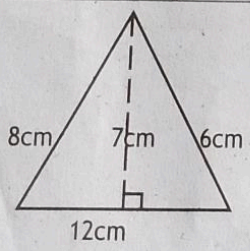
(a) List elements of set Y.

(b) Find n(X∪Y).

(c) How many elements are in set Y but not in set X?

(05 Marks)

22. **Study the triangle below and answer questions about it.**



(a) Work out its area.

(b) Calculate the distance around the triangle.

(04 Marks)

23. A parent went
2 loaves of bre
$\frac{1}{2}$ dozen of pe
2kg of rice at
Find the pare

24. In a class of
(a) Find the fra

25. (a) Conver

26. (a) Add;

below.

t Y.

are in set Y but

(05 Marks)

(04 Marks)

23. A parent went shopping and bought the following items.

2 loaves of bread at sh. 5500 each loaf

$\frac{1}{2}$ dozen of pens at sh. 600 each pen

2kg of rice at sh. 5000 each kg

Find the parent's total expenditure.

(05 Marks)

24. In a class of 50 pupils, $\frac{2}{5}$ are boys and rest are girls.

(a) Find the fraction for girls.

(b) How many more girls than boys are in the class?

(05 Marks)

25. (a) Convert 6 days to hours.

(b) Work out;

Hrs	min
23	25
-9	40

(04 Marks)

26. (a) Add;

$$\begin{array}{r} 4\,2\,3_{five} \\ +\,2\,1_{five} \\ \hline \end{array}$$

(b) Subtract;

$$\begin{array}{r} 2\,3\,3_{five} \\ -\,4\,2_{five} \\ \hline \end{array}$$

(c) Change 231_{five} to base ten.

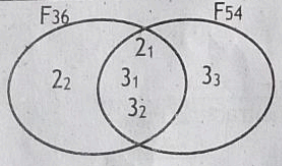
(06 Marks)

27. (a) Using a ruler, a pencil and a pair of compasses only, construct a square of sides 4cm.

(b) Show the lines of folding symmetry on the accurate square above.

(06 Marks)

28. **The venn diagram below shows prime factors of 36 and 54. Use it to answer questions about it.**



(a) Find the LCM of 36 and 54.

(b) Work out the GCF of 36 and 54.

(04 Marks)

29. (a) A motorist left hom
a speed of 60km/h and
distance of 180km to t
did the motorist take

30. (a) A factory produ
juice every day, ho
juice does it produ

(c) If each contain

29.	(a) A motorist left home travelling at a speed of 60km/h and covered a distance of 180km to town. How long did the motorist take on the way?	(b)	If he left home at 7:30a.m., at what time did he reach town? (05 Marks)
30.	(a) A factory produces 50 litres of juice every day, how many litres of juice does it produce in a week?	(b)	If the juice is packed in containers of 10 litres, how many containers will be filled every day?
	(c)	If each container costs sh. 8,000, how much money does the factory earn every day? (06 Marks)	

31. (a) Change 5km to m.

(b) Work out;

kg	g
5	370
+4	830

(04 Marks)

32. The picto graph below shows number of tomatoes John collected from his garden. Use it to answer questions that follow.

Day	No. of tomatoes
Mon	
Tue	
Wed	
Thu	

Key:  represent 5 tomatoes

(a) How many tomatoes did John collect on Tuesday?

(b) On which day did he collect the highest number of tomatoes?

(c) On which two days did he collect the same number of tomatoes?

(d) Find the total number of tomatoes he collected in the four days.

(06 Marks)

END