



# BROAD EXAMINATIONS®

## P.6 MATHEMATICS EXAMINATION

### MID - TERM I 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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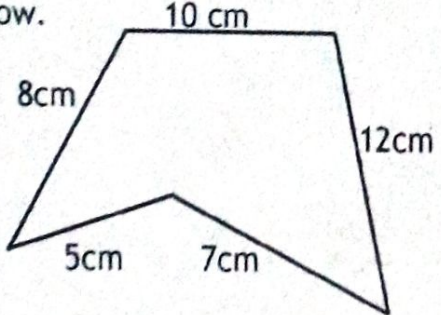
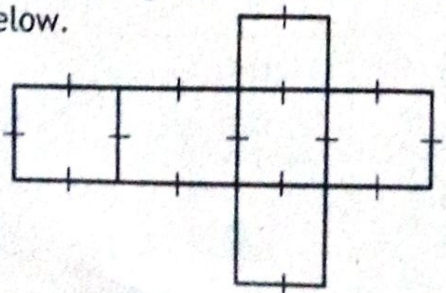
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Approved by:

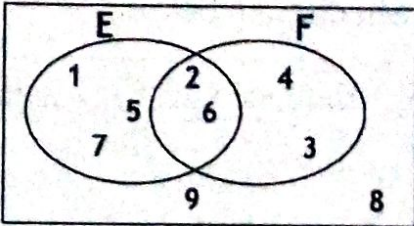
Team Head Mathematics Dept.



# SECTION .A. (40 Marks)

1.	Work out: $\begin{array}{r} 2 \quad 3 \\ +1 \quad 4 \\ \hline \end{array}$	2.	How many weeks make up 21 days?
3.	Find the place value of 3 in 438,560.	4.	Which of the following sets is empty? P = (A set of six cows with 4 legs each) M = (A set of men with wings)
5.	What is $\frac{2}{3}$ of 30?	6.	Work out $3672 \div 12$ .
7.	Work out the perimeter of the figure below. 	8.	Atim had $\frac{7}{12}$ of a pizza and ate $\frac{3}{7}$ of it. What fraction of the pizza remained?
9.	Name the figure whose net is shown below. 	10.	Match the Ugandan bank notes below with the correct features. <div>Sh.200 <span style="float: right;">bull</span></div> <div>Sh.20,000 <span style="float: right;">fish</span></div>



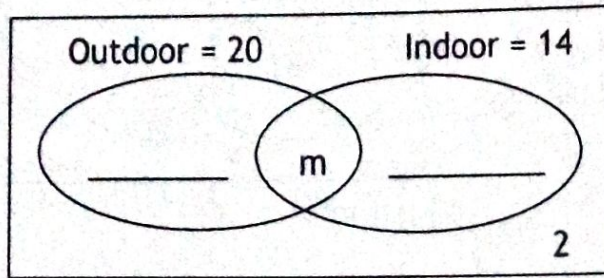
11.	A mathematics test started at 8:30am and ended at 10:00am. For how long did the test last?	12.	Study the venn diagram below and use it to answer the question that follows.  Find $n(F)'$
13.	Mercy had $\frac{2}{7}$ of a bar of soap while Martha had $\frac{3}{5}$ of a bar of soap of the same size. Who of the two had a smaller size of a bar of soap?	14.	The following are the lengths of different pieces of cloth that were cut by a tailor. Use them to answer the question that follows. 12cm, 16cm, 13cm, 8cm, 11cm Find the average length of all pieces of cloth.
15.	Find the value of P in $P - 8 = 13$	16.	Find the next numbers in the sequence below. 2, 3, 6, 11, 18, _____, _____
17.	Find the additive inverse of -4.	18.	Two children had ropes measuring 4m 13cm and 12m 89cm. Find the total length of the two ropes.
19.	How many degrees make up 3 complete revolutions?	20.	Round off 874,652 to the nearest thousands.



**SECTION .B. (60 Marks)**

21. In a class of 30 pupils, 20 like outdoor games, 14 like indoor games, some pupils like both indoor and outdoor games while 2 pupils like neither indoor nor outdoor games.

(a) Use the above information to complete the venn diagram below.

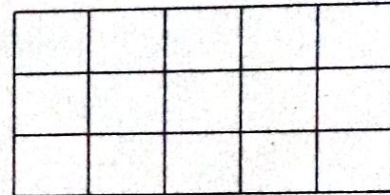


(b) Find the value of m.

(04 Marks)

22. (a) Find the first two equivalent fractions of  $\frac{3}{5}$ .

(b) Shade  $\frac{2}{3}$  in the diagram below.



(c) A shopkeeper bought 3 packets of rice and packed them into packets of half kilogram each. How many half kilogram packets did the shopkeeper get?

(06 Marks)

23. Three boys Martin, Moses and Matthew received votes on the post of head boy as follow;  
Martin got 236 votes.  
Moses got 47 votes more than Matthew.  
Matthew got 87 votes less than Martin.

(a) Who won the election?

(b) How many votes did Matthew get?



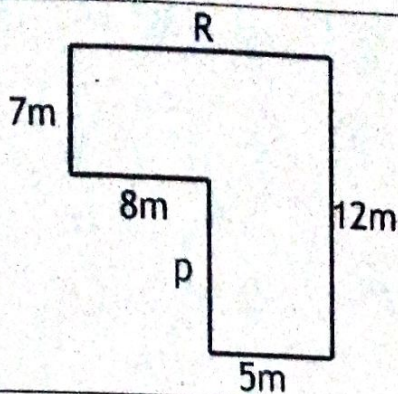
(c)	How many votes did the three boys get altogether?	
24.	(a) What smaller angle is there between West and Southeast?	(b) Allen was facing Northwest and turned anti-clockwise to face East. Through what angle did he turn?
25.	(a) Write 400,349 in words.	(b) Find the sum of the values of 4 and 7 in 720,945.
26.	A box of biscuits contains 12 pieces of biscuits. If each piece of biscuit weighs 120 grammes;	
(a)	Find the total weight of all biscuits in the box.	(b) Calculate the number of pieces of biscuits which weigh 600 grammes.



27.	(a) Given that $PF_{30} = \{2_1, 3_1, m\}$ , find the value of $m$ .	(b)	Find the LCM of 12 and 15.
(c)	Find the GCF of 16 and 24.		
(06 Marks)			
28.	A taxi left town M at 2:15p.m and reached town N at 4:00p.m.		
(a)	How long did the taxi take to travel from town M to town N?	(b)	At what speed was the taxi travelling given that town M and town N are 210km apart?
(04 Marks)			
29.	Using a pencil and a protractor, draw a square of side 5.5cm.		
(04 Marks)			



30. Study the figure below and use it to answer questions that follow.



- (a) Find the value of;  
(i) P  
(ii) R

(b) Work out the area of the figure.

(06 Marks)

31. The table below shows the items bought by Patience from the market.  
(a) Complete it correctly.

















Item	Quantity	Unit. Price	Amount
books	4 books	Sh.800 each	Sh. _____
pens	_____ pens	Sh.600 each	Sh.4,800
sugar	1½ kg	Sh. _____ per kg	Sh.9000
honey	1 tin	Sh.25,000 each tin	Sh. _____

(b) If she went with sh. 50,000, calculate her change.

(06 Marks)



2. The picture graph below shows the number of animals owned by 3 farmers. Use it to answer the questions that follow.

Opio	    
Anise	    
Musoke	     

Key



represents 3 goats



represents 5 hens

- |     |   |     |                                   |
|-----|---|-----|-----------------------------------|
| (a) | Which farmer has many animals?                  | (b) | How many animals does Anise have? |
|     |   |     |                                   |
| (c) | How many more goats does Musoke have than Opio? |     |                                   |
|     |   |     |                                   |

END

(05 Marks)