



KAMPALA CAPITAL CITY PRIVATE SCHOOLS' TEACHERS EXAMINATION BOARD

PRIMARY SEVEN - MID TERM ONE

2024

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.

Random No.						Personal No.		

Candidate's Name: _____

Candidate's Signature: _____

School Name: _____

Read the following instructions carefully

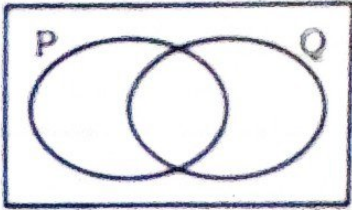

1. This paper has two sections: A and B.
Section A has 20 questions (40 marks) and
Section B has 12 questions (60 marks).
2. Answer all questions. All the working for
both sections A and B must be shown in
the spaces provided.
3. All working must be done using a blue or
black ball point pen or ink. Any work done
in pencils other than graphs and diagrams
will not be marked.
4. No calculators are allowed in the examination
room. Unnecessary changes in your work
and hand writing that cannot be read easily
may lead to loss of marks.
5. Do not fill anything in the table indicated:
"For Examiners' use only"

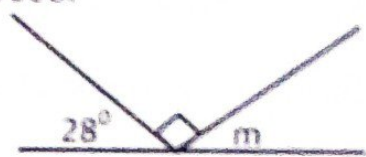
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ONLY

QN. No.	MARKS
1 - 5	
6 - 10	
11 - 15	
16 - 20	
21 - 22	
23 - 24	
25 - 26	
27 - 28	
29 - 30	
31 - 32	
TOTAL	

SECTION A (40 MARKS)

**Attempt all questions in this section
Question 1 to 20 carry two marks each**

1.	workout: $13 + 4$	2.	Write 2002 in words.
3.	Workout: $\frac{2}{3} + \frac{1}{4}$	4.	Shade the complement of the union set of P and Q in the Venn diagram below. 
5.	Find the next number in the sequence below. 56 , 31 , 15 , 6 , _____	6.	Simplify: $5k - 4p + 3k + 2p$
7.	Using a pencil and a pair of compasses, construct a line segment xy of length 6cm.	8.	Simplify: $+3 - +7$
9.	Write the morning time on the clock face below in a 24 hour clock system. 	10.	A cyclist moves at a speed of 68km/hr for $1\frac{1}{2}$ hours. What distance did he cover?

11.	Workout: $2 - 4 = \underline{\hspace{1cm}}$ (finite 5)	12.	If ☆ = 12 stars. Draw stars to represent 72 stars.
13.	Find the mean of 4, 0, 2y, 6 and 3y.	14.	Find the size of angle m in degrees. 
15.	What is 30% of 150	16.	Given that set $B = \{p, o, t\}$. List all the subsets of set B .
17.	Express 6 hours as a percentage of a day.	18.	Peter made a profit of sh. 1500 on an article that was purchased at sh. 17000. At what price was it sold?
19.	Add: $\begin{array}{r} 223 \text{ five} \\ + 142 \text{ five} \\ \hline \end{array}$	20.	Annet has 263 hens on her farm. Express the number of hens in Roman numerals.

SECTION B (60 MARKS)

Attempt all questions in this section

Marks for each part of the question are indicated in the brackets

- 21.a) The LCM of two numbers is 180 and their GCF is 6. If one of the numbers is 36. Find the other number.

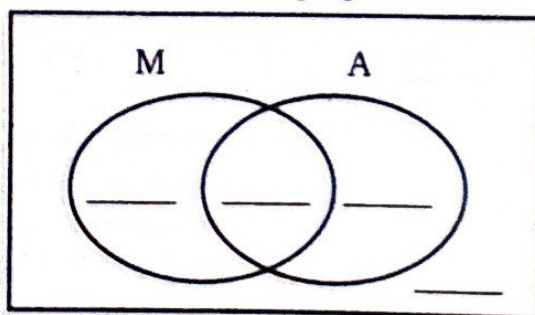
(3marks)

- b) Express the value of y as a product of its prime factors.

(2marks)

22. In a class of 35 pupils, 20 like mathematics (M), 15 like English (E), 8 like both subjects and m don't like any of the subjects.
a) Complete the Venn diagram below.

$$n(\epsilon) = 35 \text{ pupils}$$



(2marks)

- b) Find the value of m .

- c) How many pupils like only one subject?

(2marks)

(2marks)

23 a)	Jack withdrew bank notes numbered consecutively from AB00113 to AB00137. How many notes did he withdraw?	(2marks)
b)	If each note was for five thousand shillings. How much money did he get from the bank?	(2marks)
24.	Two bells ring at intervals of 15 minutes and 20 minutes respectively. After how long will they ring at the same time?	(3marks)
b)	If they ring together at 9:30am. At what time will they ring together again?	(2marks)
25.a)	Express 0.255... as a common fraction in its lowest term.	(2marks)

b)	<p>Write the integers represented by;</p> <p>i) $a = \underline{\hspace{2cm}}$</p> <p>ii) $b = \underline{\hspace{2cm}}$</p> <p>(2marks)</p>	<p>c) Form a mathematical sentence for the number line.</p> <p>(1mark)</p>
28.a)	<p>Given that $m = 4$, $y = 3$ and $h = 2$. Evaluate;</p>	
i)	<p>$my + 3h$</p> <p>(2marks)</p>	<p>ii) $m - y + h$</p> <p>(2marks)</p>
b)	<p>Solve for p: $p + 4 = 17$</p> <p>(2marks)</p>	
29.a)	<p>Express 0.406 in standard form.</p> <p>(2marks)</p>	<p>b) Write 4639 in expanded form using values.</p> <p>(2marks)</p>
30. a)	<p>Kakooza bought the following items from the market.</p> <ul style="list-style-type: none"> - 3 bars of soap at sh.2200 per bar - 2 loaves of bread at sh.1700 per loaf - $2\frac{1}{2}$ kg of rice at sh.800 per kg. <p>Find the Kakooza's total expenditure.</p> <p>(4marks)</p>	

		(1mark)
31.a)	Tom spends $\frac{1}{3}$ of his salary on rent, $\frac{1}{9}$ on food, $\frac{1}{6}$ on transport, $\frac{1}{18}$ on medical and saves the rest which is sh.35000. What fraction of his salary does he save?	
		(3marks)
b)	How much money does he earn as salary?	
		(2marks)
32.a)	with the help of a ruler, pencil and a pair of compasses, construct a triangle XYZ where $\overline{XY} = 7\text{cm}$, angle x = 90° and angle y = 30° .	
		(4marks)
b)	Measure YZ.	
		(1mark)

Success

