



UNIQUE EDUCATION SERVICES
Primary Seven Examinations, 2022
MATHEMATICS

Time allowed: 2 hours 30 minutes

Index No. :

School EMIS						Personal No.		

Candidate's Name :

Candidate's Signature :

School Name :

District Name :

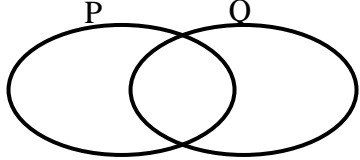
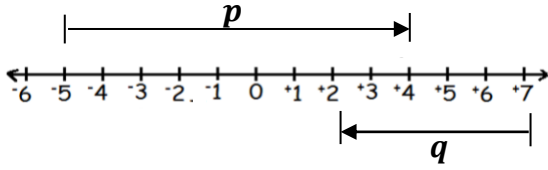
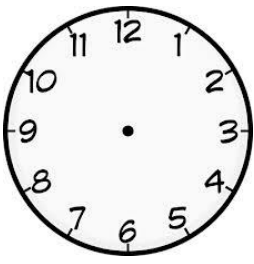
Read the following instructions carefully:

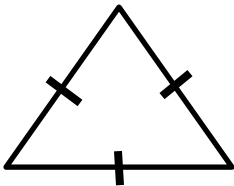
FOR EXAMINER'S USE ONLY

1. The paper has **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. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated;
For Examiner's use only.

Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 30		
31 – 32		
TOTAL		

Questions 1 to 20 carry 2marks each

1	Work out: $32 + 24$	2	Simplify: $6a - 2a$
3	Work out: $\frac{3}{4} \times \frac{1}{2}$	4	Shade the region $P - Q$ 
5	Without dividing, show which of the numbers 2303 and 4020 is divisible by 3.	6	Change 13_{ten} to base five.
7	A dice has faces numbered 1, 2, 3, 4, 5 and 6. If it's tossed once, what is the probability that a number less than 5 will appear on top?	8	Write the integers represented by letters p and q on the number line below  (i) $p =$ _____ (ii) $q =$ _____
9	Show the time, 'a quarter to nine' on the clock face below, 	10	Express half a kilogram to grams.
11	Daniella picks 15 mangoes every day. How many mangoes will she have picked in four days?	12	Using a ruler and a pair of compasses only, construct an angle of 60° .

13	Find the next number in the pattern below; 0, 3, 5, 8, 10, _____	14	The ratio of girls to boys in a class of 56 pupils is 3:4 respectively. Find the number of girls in the class.
15	Show and write the number of line of folding symmetry of the figure below 	16	Work out: $202 \div 2$
17	Auma slept at 8:30p.m for 2hours. What time did she wake up?	18	Solve for y: $5y = 20$
19	The cost of 6 books is shs.5400.How many such books will Zoena buy with shs.9000?	20	Berna scored the following marks in home work exercises; 5, 7, 6, 9, 8, 6, 4 . What was her modal mark?

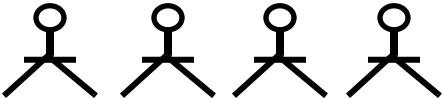
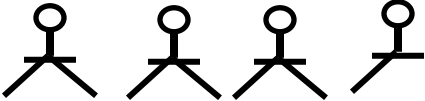
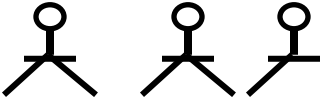
SECTION B: 60 MARKS


Answer all questions in this section


Marks for each Question are indicated in the brackets.

21

The graph below shows the number of pupils in the three streams of a P.6 class at Mulanda Primary School.

Stream	Number present
P.6 E	
P.6 W	
P.6 N	

KEY
 = 12 PUPILS

 = 6 PUPILS

(a) How many pupils are in P. 6 N?

01mark

(b) How many **more** pupils are in P.6 E than in P.6W?

02marks

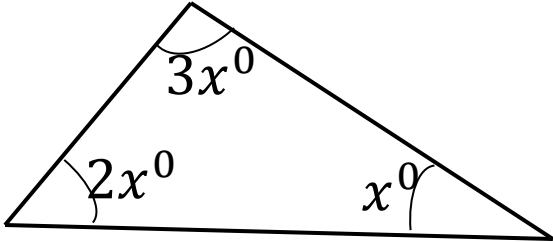
(c) Find the average number of pupils per stream.

02marks

22

(a) Write **MIX** in Hindu-Arabic numerals

		01mark
	(b) Subtract the value of 2 from the value of 7 in the number 3721.	
		04marks
23	(a) Work out: $\frac{1.2 \times 2.7}{0.03 \times 0.6}$	
		03marks
	(b) Express 0.25 as a common fraction in its simplest form .	
		02marks
24	<p>The exchange rates in a bank are as follows;</p> <p>1 US dollar(\$) = <i>Ug.shs.3600</i> 1Kenya Shillings (K.sh) = <i>Ug.shs.35</i></p>	

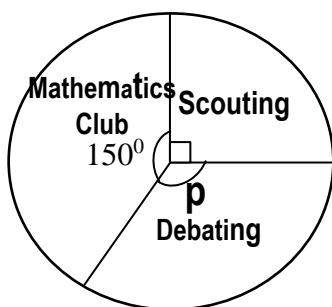
	(a) Convert Kenya shillings 900 to Uganda shillings	02marks
	(b) If a TV set costs Uganda shillings 720,000, find the equivalent cost of the TV set in dollars?	02marks
25	<p>Study the figure below and use it to answer the questions that follow.</p>  <p>(a) Find the value of x</p>	03marks
	(b) Using the value of x you have found, find the size of angle marked $3x$	02marks

26	<p>In a class of 40 pupils, 23 like mathematics (M), 22 like Science(S), 5 like neither of the subjects while n like both subjects.</p> <p>(a) complete the Venn diagram below</p> <div data-bbox="220 302 1015 646"> <p style="text-align: center;"> $n(M) = 23$ $n(S) = 22$ $n(U) = \underline{\hspace{2cm}}$ </p> <p style="text-align: center;"> $\underline{\hspace{2cm}}$ $\underline{\hspace{2cm}}$ $22 - n$ </p> <p style="text-align: right;">5</p> </div>	03marks
	<p>(b) Find the value of n</p>	03marks
27	<p>A rectangular garden whose length is 15metres has an area of $180M^2$</p> <p>(a) Find its width</p> <p>(b) Calculate the total distance around the garden</p>	<p>02marks</p> <p>02marks</p>
28	(a) Solve for d: $4d - 4 = 16$	

		03marks
	(b) Dawn is five years older than Nicky; their total age is twenty three years. How old is Dawn and Nicky?	03marks
29	<p>Aisha saved shs.360,000 with a bank that offers a simple interest rate of 30% per year.</p> <p>(a) Find the total interest after 3 years.</p>	03marks
	(b) Calculate the total amount of money Aisha will have in the bank after the 3 years.	02marks

30

The pie-chart below shows how pupils of Buliigo primary school are distributed in the three clubs in the school. Use it to answer the questions that follow.



- (a) There are 200 pupils in the debating club. Find the total number of pupils in the school.

04marks

- (b) How many pupils are in the Mathematics Club?

02marks

31

A taxi driver left town **X** for town **Y** at 10:00 am. Driving at a speed of 80 kilometres

	per hour. The driver reached town Y at 12:00 noon (i) Calculate the time taken by the driver to reach town Y.	02marks
	(ii) Find the distance between town X and Y	02marks
32	(a) With the help of a ruler, sharp pencil and a pair of compasses only construct a triangle ABC in which angle $ABC = 90^\circ$, line $BC = 8cm$ and line $BA = 6cm$	04marks
	(b) Measure line $AC =$ _____	01mark
The end		