



THE NEP EDUCATION SERVICES - KAMPALA
TRIAL MOCK SET ONE - 2024
PRIMARY SEVEN
MATHEMATICS

TIME ALLOWED : 2 HOURS 30 MINUTES

PUPIL'S NAME: _____

STREAM: _____

HOUSE: _____

READ CAREFULLY AND FOLLOW THE INSTRUCTIONS.

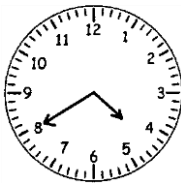
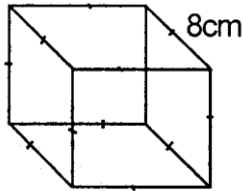
1. This paper is made up of two sections **A** and **B**.
2. Section **A** has **20** questions (**40 marks**)
3. Section **B**, has **12** questions (**60 marks**)
4. Attempt **ALL** questions. All answers to both
Sections **A** and **B**
MUST be written in the spaces provided.
5. All answers must be written in **blue** or **black** ball
Point pen or ink. Only diagrams and graph work
Must be done in pencil.
6. Unnecessary crossing of work will 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 table. It is for
Examiner's use only

FOR EXAMINERS USE ONLY:

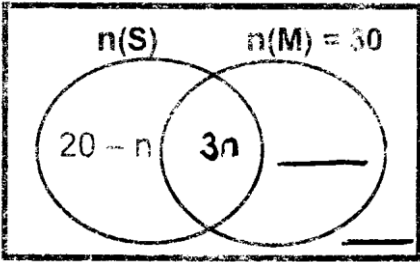
SECTION	SCORE	REMARKS
A		
B		
TOTAL		
Subject Teacher's comment: _____ _____ _____		

SECTION A (40 Marks)

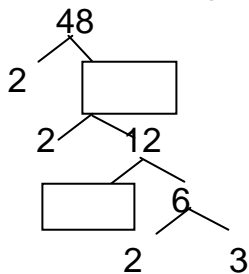
1.	Workout: $49 - 5$	2.	Write in words: 40508
3.	Given that Set $K = \{\star, \bigcirc, \triangle\}$. List the subsets in K	4.	Find the value of X: $5 + 4 = x$ (finite 7)
5.	Workout: $1\frac{1}{2} + \frac{1}{3}$	6.	The cost of a $\frac{1}{2}$ kg of sugar is sh. 2,000. Find the cost of four Kilograms
7.	Solve the equation: $3y - 3 = 15$	8.	8. Express 29 in binary system
9.	Find the range of 48, 72, 80, 50 and 98	10.	List all the prime factors of 36.

11.	Find the square of 6.	12	Draw a symbol for the equivalent set.
13.	<p>13. Express the evening time shown on the clock face in 24 hour clock system.</p> 	14.	<p>Find the next number in the sequence</p> <p>12, 8, 4, 0, _____</p>
15	<p>$\frac{3}{4}$ of the pupils in a class are girls. What percentage of the pupils are boys?</p>	16.	<p>The figure below is a cube. Find its volume.</p> 
17	Round off 49996 to the nearest tens	18	Express 34500 in Scientific notation.
19.	Write 1900 in standard form.	20	On the farm, 20% are bulls. What percentage of cattle are cows?

SECTION B (60 marks)

21	<p>Workout: 7 3 4 5 9</p> <p style="margin-left: 100px;">+ 2 5 7 1 0</p> <p style="margin-left: 100px;">_____</p> <p style="margin-left: 100px;">_____</p> <p style="text-align: right;">2marks</p>
b)	<p>A school bought a gross of books and shared them among 72 candidates. How many books did each candidate get?</p> <p style="text-align: right;">2 marks</p>
22.	<p>In a class of 50 pupils, (20 - n) like Science Only(S), 3n like both subjects, 30 pupils like Mathematics (M) and 4 of them like none of the two subjects. Complete the Venn diagram below.</p> <div style="text-align: center;"> $n(\Sigma) = 50$  </div> <p style="text-align: right;">2 marks</p>
b)	<p>Find the value of n.</p> <p style="text-align: right;">2 marks</p>
c)	<p>How many pupils like only one subject?</p> <p style="text-align: right;">2 marks</p>

23. Complete the blank spaces

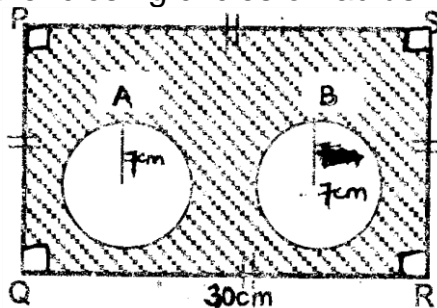


2mks

b) The **Lowest Common Multiple(LCM)** and **Greatest Common Factor (GCF)** of two numbers are **90** and **6** respectively. Find the second number given the first number as **30**.

3 marks

24 PQRS is a regular quadrilateral enclosing circles of radius **7cm** each



a) Find the area of the shaded Circle A.

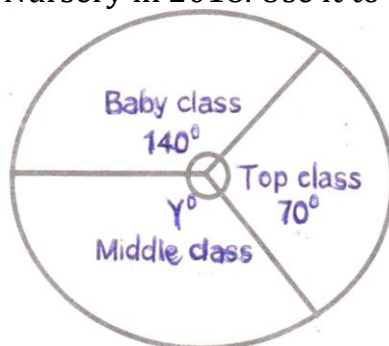
b) Calculate the area of the shaded part.

2 marks

3 marks

25	<p>Odongo bought the following items: 2 bars of soap at sh.4,200 per bar 2 liters of milk at sh.800 per half liter 1 $\frac{1}{2}$ kg of sugar at 4,000 each kg</p> <p>a) If he had a twenty thousand shilling note: Calculate his change</p> <p style="text-align: right;">2 marks</p>	b)	<p>. How much did he pay altogether?</p> <p style="text-align: right;">4 marks</p>
26	<p>Convert 23_{five} to decimal base.</p>	b)	<p>Find the number whose expanded form is shown below. $(9 \times 10^2) + (4 \times 10^0) + (7 \times 10^1)$</p>
27.	<p>Mariam is 13years older than Rebecca. Find the age of Rebecca, if the sum of their age is 37 years.</p> <p style="text-align: right;">2 marks</p>	b)	<p>How old will Mariam be in 5 years to come?</p> <p style="text-align: right;">2 marks</p>
28.	<p>Jimmy, Doreen and Ruth contributed sh. 24000, sh.60,000 towards the birth day party of their sister respectively.</p> <p>a) How much was their total contribution?</p> <p style="text-align: right;">2 marks</p>	b)	<p>Express their contribution in ratio form.</p> <p style="text-align: right;">3 marks</p>

29. The pie chart shows the intake of Nursery in 2018. Use it to answer the questions that follow.



Find the angle in degrees which represents Middle class

2marks

b) If the school registered 360 pupils. Find the number registered in:
i) Top Class

2mks

ii)

Middle class

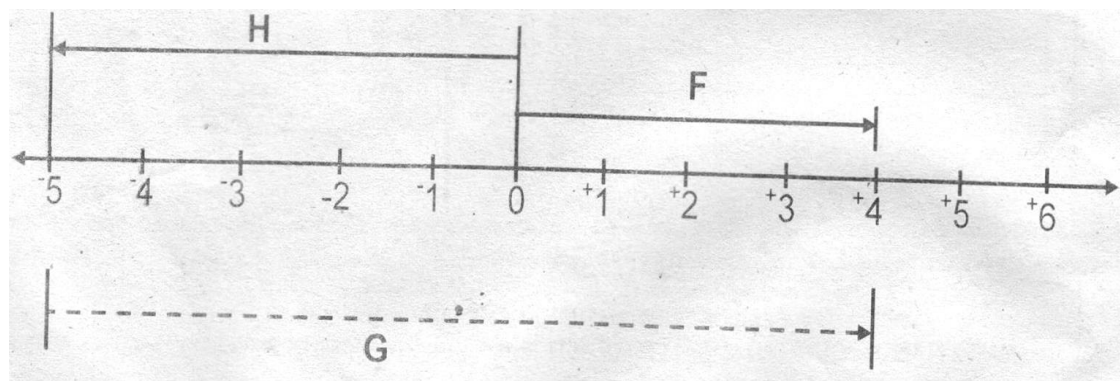
2mks

30 With the help of a ruler and a pair of compasses only, construct a rectangle **BCDE** where **BC** is **8cm** and **CD** is **4.5cm**

b) Measure the diagonal line BD

1mk

31. Use the drawn line to find the value of:



i) $F =$

ii) $G =$

iii) $H =$

3 marks

b) Write down the mathematical subtraction sentence for the drawn number line.

2 marks

32 YY bus departed from Kampala at 8:30am to Mbale via Iganga as shown in the table below. Study it well answer the questions that follow.
Use the given information to fill the blank spaces

TOWNS		DISTANCE	TIME	SPEED
From	to			
Kampala	Iganga	150km	75km/hr
Iganga	Mbale	3hrs	70km/hr

b) Calculate the average speed of the bus for the whole journey

c) At what time did the bus reach Mbale?

END