VICTORY STEP EDUCATION SERVICES – KAMPALA

PRIMARY SEVEN SILVER SET THREE

2024

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.	EMIS No.						Personal No.		

Candidate's Name: ....

Candidate's Signature: ....

School Name: ....

District Name: ....
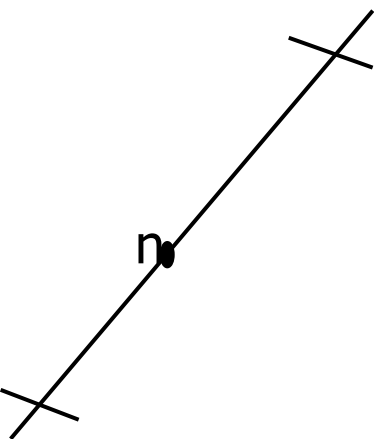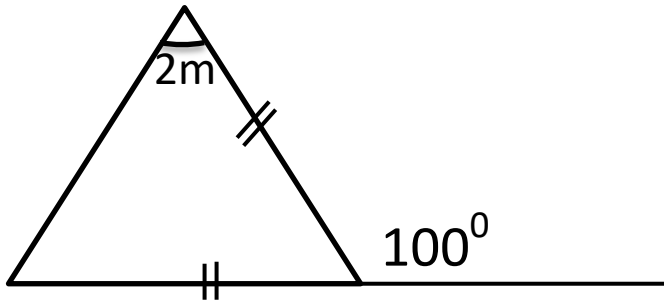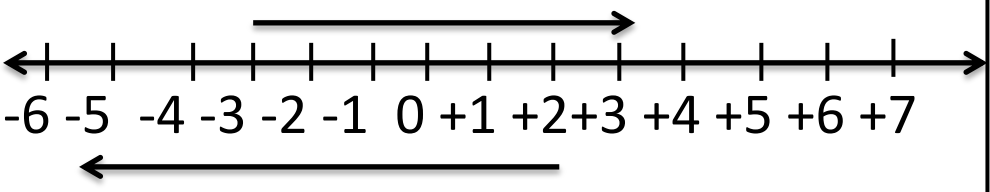
Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.

2. This paper has **two** sections: **A** and **B**. Section **A** has **20** questions and section **B** has **12** questions. The paper has **15 printed pages**.

3. Answer **all** the questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.

4. **All** the working **must** be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **not** be marked.

5. **No calculators** are allowed in the examination room.

6. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks.**

7. Do not fill anything in the table indicated: **"FOR EXAMINERS' USE ONLY"** and boxes inside the question paper.

SECTION A: 40 MARKS

Questions 1 to 40 carry two marks each.

1.	Work out : 3 4 8 + 48	2	Write 49494 in words
3.	Give that set P has 31 proper sub sets, How many elements are in set P.	4	Solve for m: $3m = 5(\text{mod } 7)$
5.	The ratio of boys to girls in primary seven class is 4:5, there are 60 boys in the class.How many pupils are in class?	6.	The clock face below shows time in afternoon. Write the time on it in 24 hou clock.
7.	Find the number which has been expanded: $(4 \times 10^3) + (7 \times 10^1) + (5 \times 10^0) + (2 \times 10^{-1})$	8.	Work out: $1\frac{1}{2} - \frac{1}{3}$
9	Find the least number of apples when divided among 9 boys or 12 boys equally, leaves 7 apples as a remainder.	10	Using a ruler and a pair of compasses only.Construct a perpendicular line from Point m to meet line AB at n .

m |

11	Find the sum of the next two numbers in the squenece. 1,2,4,16, _____ , _____	12	Solve the equation: 2m + 8 = 36
13.	A trader borrowed Sh.180,000 from the bank which charged him an interest rate of 5% per month. calculate the interest he paid after a period of 8 months.	14	A die is tossed once.What is the chance that a prime number will appear on top?
15.	A taxi travels 32km in 20 minutes.Find the speed of the taxi in kilometres per hour.	16	Below is a triangle , find the value of m in degrees.
17	Write the integers represented by letters m and n on the number line below. 	18	Solve for y: $y^{3y} \div 2^y = 2^4$
19	Apio bought a phone at Sh.250,000 and and later sold it to opio at sh.300,000 calculate apio's percentage profit.	20	Rahim is four times as old as Halim. their total age is 55 years .How old is Halim?

21a)	Work out: $4\ 3\ 4_{\text{five}}$ (02mks) $\quad\quad +\ \ 2\ 3_{\text{five}}$	b)	Given that $32p = 43_{\text{five}}$, find base p

22. Mr.Kizza went to the market and bought the following items as shown in the table below. With clear working complete the table correctly.

ITEM	PRICE	TOTAL COST
4Kg of rice	Sh.4,000 @kg	Sh. _____
1½Kg of meat	Sh. _____	Sh. 18,000
_____Kg of sugar	Sh . 4500 @ kg	Sh.1,3500
3Kg of beans	Sh. _____	Sh. _____
	TOTAL COST	**Sh. 59,500**

b) If he went with three – twenty thousand notes .How much was his change

23a)	Work out : $\dfrac{0.36\ \times\ 0.4}{0.48 - 0.36}$	b)	Simplify : $24 - 36 + 28.86$

24a)	In a primary seven class ,27 pupils like Mathematics(M)only, *(p+10)* like Scie(S) only and *(p+5)* like both subjects while 4 pupils like other subjects . Complete the venn diagram below using the information above. n(M) n(S) ____ (p + 5) ____ 4	26	At Winsa primary school , the kitchen , classrooms and the dormitory are allocated as shown below. N W —— 35° —— E S N 24° W —— E S N W —— 75° —— E S
b)	If 29 pupils like Science , Find the value of p.	a)	What is the direction of the Kitchen from the Dormitory?
		b)	Find the bearing of the Dormitory from classrooms.
c)	How many pupils are in the class?		
		c)	What is the bearing of the classrooms from the kitchen?
25 a)	Given the numeral below: 30860 Write the above numeral in expanded form using exponents.		
		27	Change 5m/sec to Km/hr
b)	Write the above numeral given in scientific notation.		

b)	A motorist takes 2 hours to cover a journey at speed of 90km/hrs. He returns through the same route of 60km/hrs. Calculate his average speed for the whole journey.
28	Using a ruler , a pair of compasses and a sharp pencil only. Construct a rhombus PQRS In which diagonal PR = 14cm and diagonal QS = 10cm.
b)	Measure length PQ : ....
29	Work out the mean of 3, 5, 7, 2 , 3 , 0 and 3
b)	The median of six consecutive odd numbers is 18. Find the numbers.

30. Kintu was asked to do his homework on Friday and the number given were as follows $\frac{3}{7}$ of the numbers given wre for SST , $\frac{1}{3}$ of the numbers remainder were for MTC and the other 24 numbers were for English.
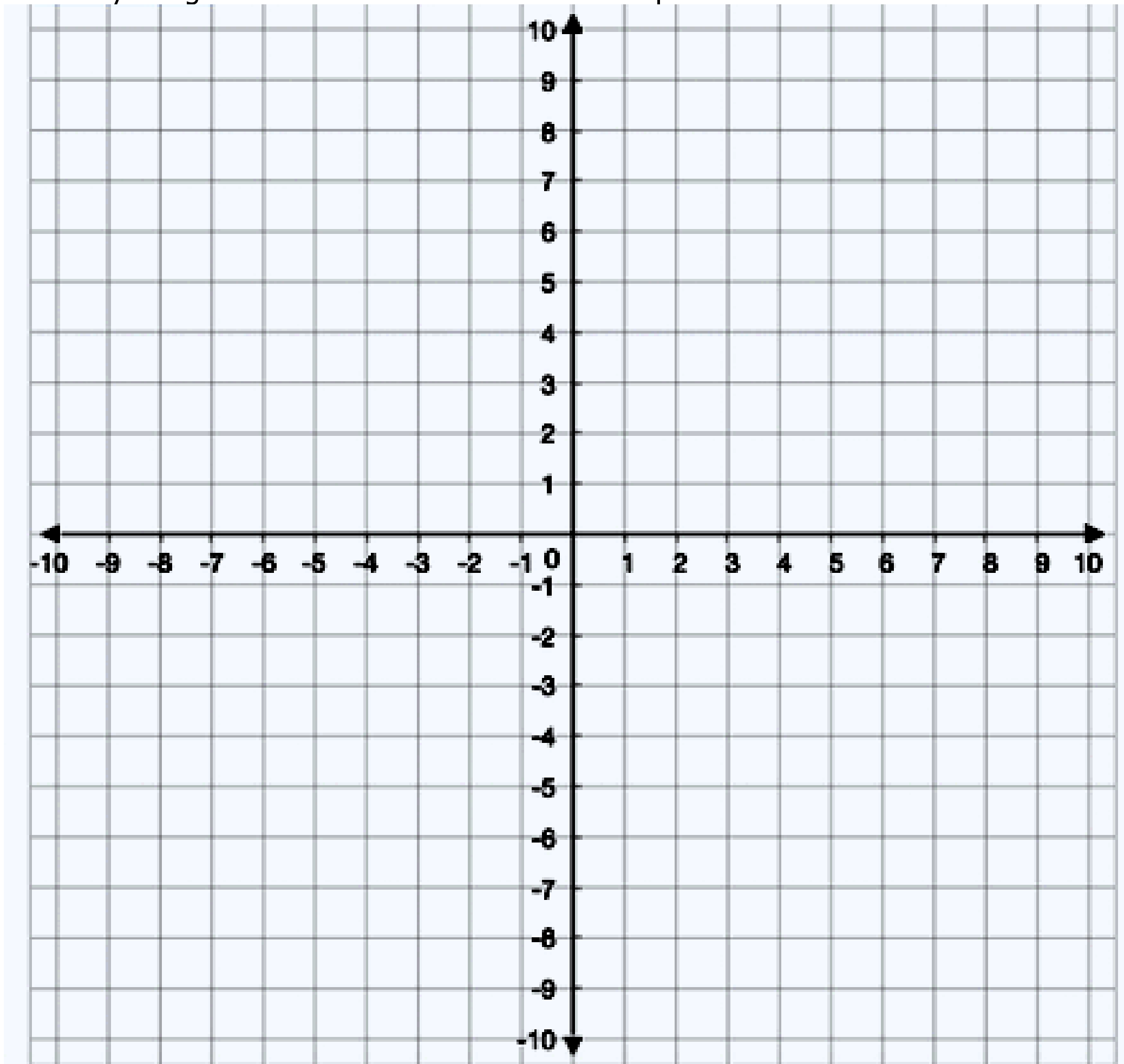
a) What fraction of the numbers were for English?

b) How many numbers were given to Kintu as homework?

31a) Simplify: $(6k - 3) - (4k - 6)$

b) Rooney is 15 years older than Bony , five years ago , Rooney was four times as old as Bony . How old is each now?

32. Study the grid below and use it to answer the questions that follow.

a) Plot the following co-ordinates on the above graph.

   A(-5 ,-3) , B(-5 , $^+$4) , C($^+$2 ,$^+$4) and D($^+$6, -3)

b) Join ponts A to B, B to C , C to D and D to A.

c) Name the figure formed.
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