SKYVIEW EXAMINATIONS BOARD (S.E.B)- KAMPALA

PRIMARY SEVEN END OF TERM ONE EXAMINATION

2022

MATHEMATICS

Time allowed: 2hours 30 minutes

Index No:

Candidate's name ……..

Candidate's signature……..

School name…….

District Name…….

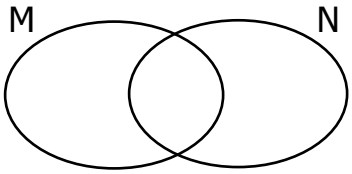
Read the following instructions carefully

1. This paper has two sections **A** and **B**.
   Section A has 20 question B has 12 questions. Answer all question, **all** answer to both section A and B must be written in the space provided.
2. All answer must be written using a blue or black ball point pen or ink. Any work written in pencil other than graphs, picture and diagrams will not be marked.
3. Unnecessary change of work may lead to loss of marks
4. Any hand writing that cannot easily be read may lead to loss of marks
5. Do not fill anything in the boxes indicated:
"For examiners'. And those inside the question paper

FOR EXAMINERS USE ONLY		
Qn.No	**MARKS**	**EXR'S NO.**
1-10		
11-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A (40marks)

Questions 1-20, carry 2 marks each.

1	Add: 16 + 9	2	Write in figures: Four thousand three hundred three.
3	Simplify: 4p + 2q + q + 2p	4	Work out: $\frac{2}{5}$x $\frac{1}{4}$
5	Shade M – N on the Venn – diagram below:  	6	Find the next number in the sequence: 1, 2, 4, 8, 16, _____
7	Solve for y. 4 + 2y = 10	8	Work out the range of; 8, 10, 4, 8, 2 and 6.

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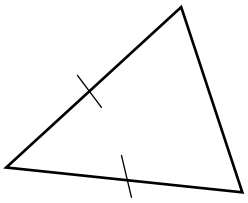
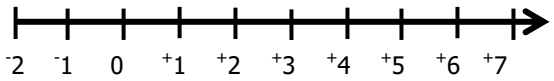
9	How many lines of folding symmentry has the figure below? 	10	A motorist covered a distance of 80km in 2 hours. At what speed was he moving?
11	Show $^{+}2 + {}^{+}3$ on the numberline below.  	12	Express 2.4 as a fraction.
13	Convert XI to Hindu Arabic numerals.	14	Subtract 25 from 41.
15	Change 5kgs to grams	16	Find the LCM of 15 and 12.
17	Work out the value of m in the figure below.	18	Calculate the volume of the rectangular tank below.

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	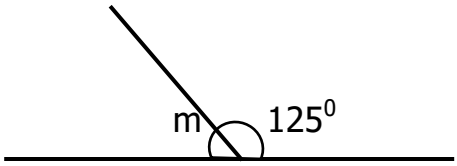		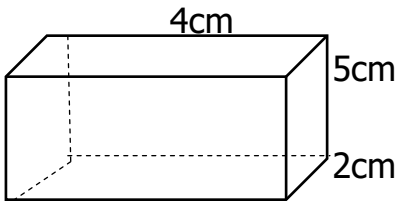
19	The cost of two pens is shs. 600. Find the cost of 5 similar pens.	20	Change 413_{five} to base ten.

SECTION B (60mks)

(For questions 21 – 32, marks are shown in brackets.)

21. a) Write the place values of the underlined digit in each figure below. *(1mark each)*

i) 4<u>3</u>21 (ii) 42<u>5</u>1

b) Expand 2043 according to value of each digit. *(2marks)*

c) Round off 240.198 to the nearest hundreds *(1mark)*

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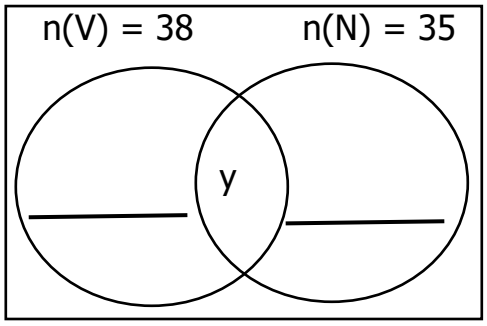
22. The Venn-diagram below shows the number of pupils in P.6 who participated in playing volley ball (V) and Netball (N). Use it to answer the given questions.



a) Complete the Venn – diagram. *(2marks)*

b) Find the number of pupils represented by y. *(2marks)*

c) Work out the total number of pupils that participated in playing the games. *(1mark)*

23. a) P.6 pupils took 45 minutes writing a Mathematics test. If they started at 8:15a.m. At what time did they finish? *(2marks)*

b) A man started his journey at 9:50p.m and reached where he was going at 11:55p.m. How long was his journey? *(2marks)*

24. a) Increase 120 by 10%. *(2marks)*

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b) A trader bought a television at shs. 150,000 and later sold it at shs. 120,000.

i) What was her loss? *(2marks)*

ii) Express her loss in percentage form. *(2marks)*

25. The table shows how Mr. Kimuli spent when he went shopping. Use it to answer the given questions.

Item	Quantity	Unit cost	Sub total
Shirts	2	Shs. 8,000 each	Shs. _____
Shoes	3 pairs	Shs. _____	Shs. 21,000
Neckties	_____	Shs. 5,000	Shs. 20,000
Total expenditure			Shs. _____

Complete the table. *(1mark each)*

26. A man had 24 acres of land. He shared it among his three sons as below;

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$\frac{1}{3}$ to Andrew, $\frac{1}{4}$ to Bosco, $\frac{1}{6}$ to Victor and retained the remaining part.

a) How many acres did Victor get? *(2marks)*

b) Calculate the total fraction of the land the man gave away to his sons. *(2marks)*

c) How many acres did the man retain? *(2marks)*

27. Using a pair of compasses, a ruler and a sharp pencil, construct a triangle ABC where AB = BC = CA = 5cm. *(3marks)*

Measure angle ABC in degrees. *(1mark)*

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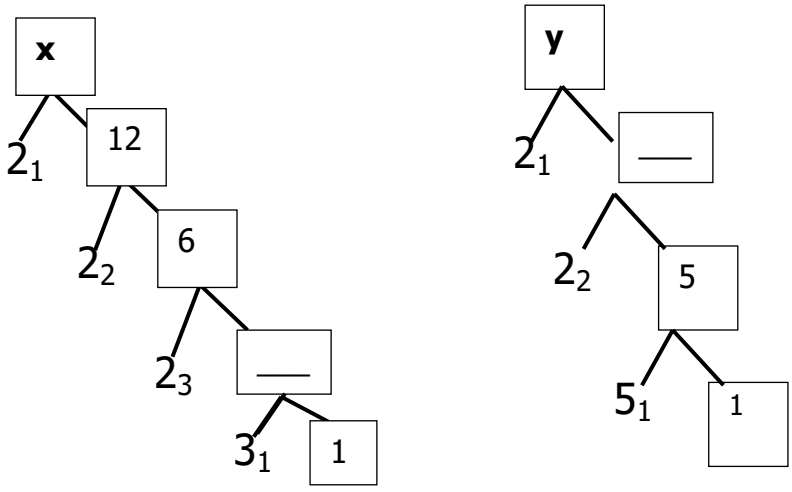
28. Work out: *(2marks each)*

a) $212_{three} + 21_{three}$

b) 2 1 3

x 2 4

29. A P.5 girl prime factorised two numbers x and y as shown below.



a) Fill in the missing numbers to complete the prime factorisation. *(1mark each)*

b) Work out the HCF of x and y *(2marks)*

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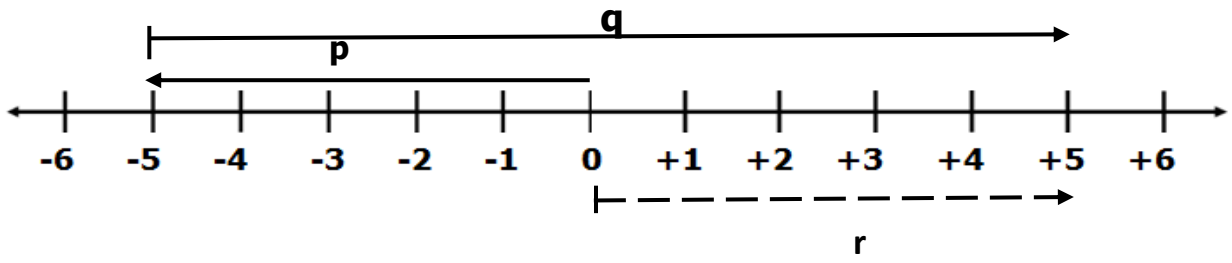
c) Find the actual value of x. *(2marks)*

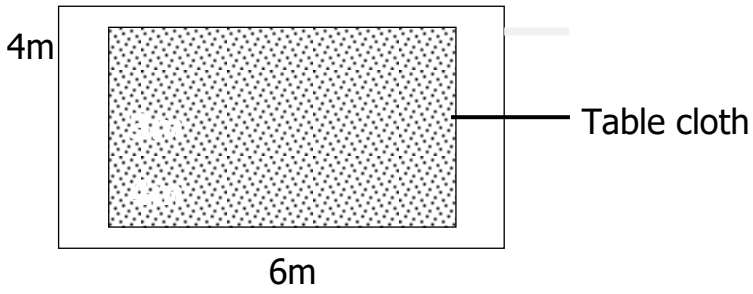
30. a) Write the integers represented on a number line. *(1mark each)*



i)q = _____ ii) p = _____ iii) r = _____

b) Write the algebraic expression shown on the numberline above. *(2marks)*

31. The diagram below shows a table cloth that was put on a rectangular table.



a) Calculate the area of the table surface *(2marks)*

b) Work out the area of the table cloth. *(2marks)*

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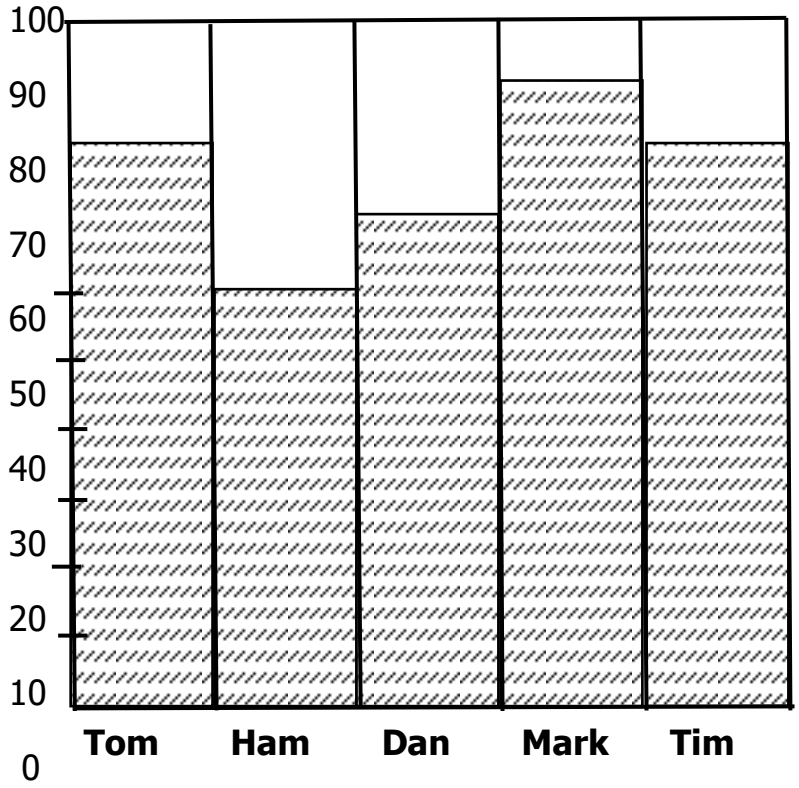
c) Find the area of the cloth required to cover the remaining part uncovered of the table surface. *(2marks)*

32. The graph below show the marks that were scored by 5 boys of P.6 in a Math list.



a) Who got the highest mark? *(1mark)*

b) Which boys got the same mark? *(1mark)*

c) Calculate their average mark. *(2marks)*

d) What was their modal mark? *(1mark)*

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