

JIM JUNIOR SCHOOL

To Excel is Our Aim

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PRIMARY SEVEN

END OF TERM 1 2022

MATHEMATICS EXAMINATIONS

Time allowed:

2 hours 30 minutes

Index No.

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Candidate's Name: _____

Candidate's Signature: _____ **Stream:** _____

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 20 short questions (40 marks)

Section **B** has 12 questions (60 marks)

FOR EXAMINER'S USE ONLY

FOR EXAMINER'S USE ONLY		
Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 32		
TOTAL		

3.

4. Answer **ALL** questions. All answers to both Sections A

and B must be written in the spaces provided.

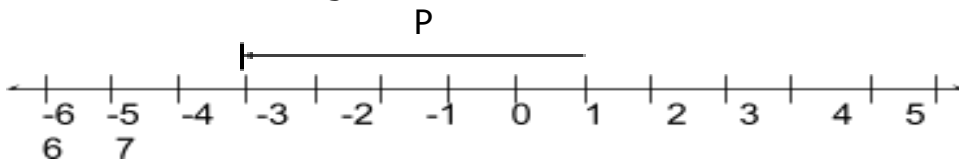
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated for Examiner's use only.

Turn over

SECTION A: (40 MARKS)

1. Subtract:
$$\begin{array}{r} 4 \quad 8 \\ - 2 \quad 3 \\ \hline \end{array}$$

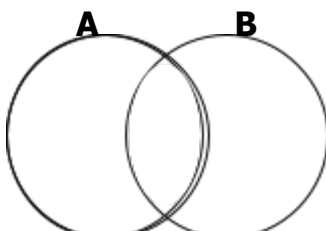
2. Write the integer shown on the number line below.





P = _____

3. Write in words; 22,202

4. Describe the un-shaded region in the diagram below.

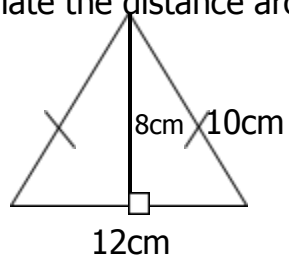


5. Work out: $\frac{1}{3} - \frac{1}{5}$

6. If  represents 15 pots and costs sh 6500@, how much does one get from  ?

7. Find the range of the next two numbers in the sequence.
2, 4, 7, 12, 19, _____, _____

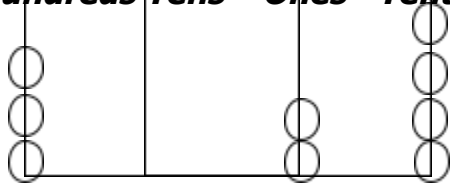
8. Calculate the distance around the figure below.



9. Given that set $R = \{\text{vowel letters}\}$. Find the number of proper subsets.

10. Write the number shown on the abacus below in Roman numerals.

Hundreds Tens Ones Tenths



11. An examination started at and took 2 hours 30 minutes. At what time did it end?

12. Work out using distributive property.
 $(10 \times 3.5) + (6.5 \times 10)$

13. The cost of 1kg of rice is sh. 3600. Find the cost of 250 grams of rice.

14. Using a pair of compasses, a ruler and a pencil only, construct an angle 75° .

15. Simplify: $5p - q - p - 2q$

16. Work out: $12 - 15 + 8 - (47 + 56)$

17. Find the supplement of $(40-y)^\circ$

18. A milkman sells milk in quarter litre cups. How many quarter litre cups will the milkman sell from a ten litre jerrycan?

19. Write the number represented by the tallies below in Roman numerals.

///

20. Add:

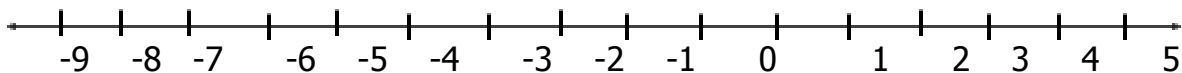
Weeks	Days
6	4
+ 2	5
<hr/>	

SECTION B: (60 MARKS)

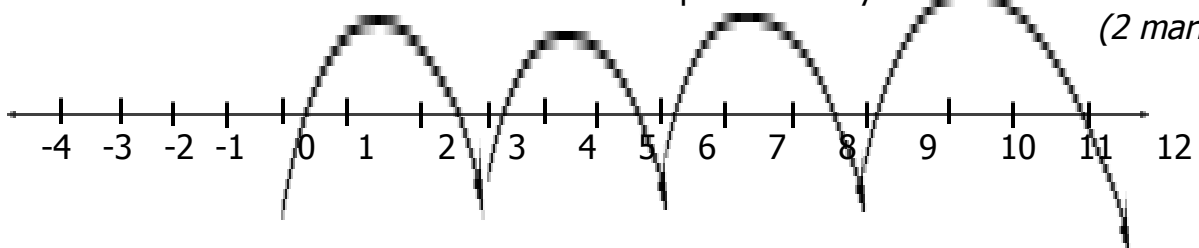
21. (a) Musoke's salary of sh. 240000 was decreased to sh. 192000 per month. Calculate the percentage decrease. (3 marks)

- (b) Jane and Barbra shared sh. 904000 in the ratio of 5:3 respectively. How much more did Jane get than Barbra? (3 marks)

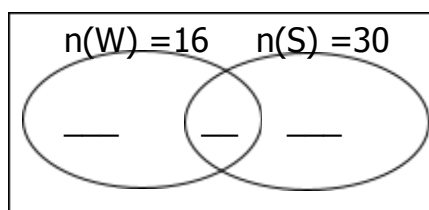
22. (a) Use a number line to work out. (2marks)
 $-8 + +6$



- 6
 (b) Write down the mathematical sentence represented by the number line below. (2 marks)



23. At Okello's birthday party, 16 guests took water (W) and 30 guests took soda (S), 10 guests took both water and soda.
 (a) Complete the venn diagram below. (1 mark each)

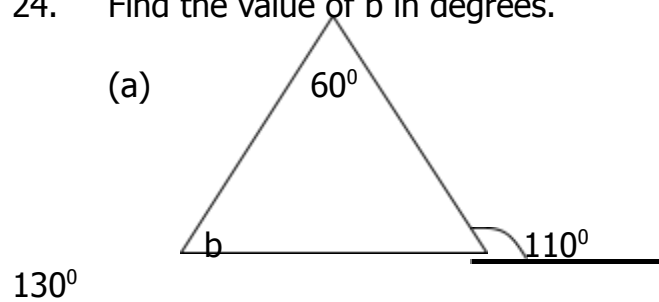


(b) How many guests took only one type of drink? (1 mark)

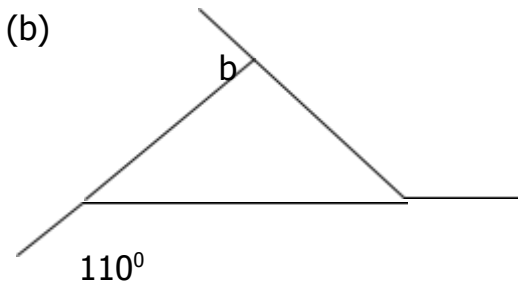
(c) How many guests attended Okello's party? (1 mark)

24. Find the value of b in degrees.

(a)



(b)



(2 marks each)

25. Amos went shopping and bought the following items:

2 pineapples at sh. 2000 each.

0.5 kg of sugar at sh. 3200 per kg.

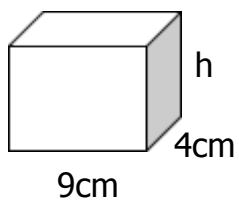
1 $\frac{1}{2}$ kg of meat at sh. 8000 per kg.

1 bunch of Matooke at sh. 18000.

(a) How much money did he spend altogether? (4 marks)

- (b) If he had a fifty thousand shillings note, what was his change? *(2marks)*
26. (a) David is 20 years older than James. In five years time, David will be twice as old as James. How old is David now? *(2 marks)*
- (b) A man earns sh. 4000 less than his wife daily. Their total income is sh. 12000.
- (i) How much does the wife earn daily? *(2 marks)*
- (ii) How much does the man earn daily? *(2 marks)*
- 27 Using a ruler, a pencil and a pair of compasses only, construct a regular pentagon. *(4 marks)*

28.



The volume of a box is 180cm^3 .

(a) Find its height.

(2 marks)

(b) Find its total surface area.

(2 marks)

29. (a) Work out: $\frac{0.072 + 0.018}{0.45 - 0.35}$

(3 marks)

(b) Simplify: $\frac{5}{7} \div \frac{1}{2} + \frac{1}{3}$

(3 marks)

30 Complete the magic square below.

(5 marks)

13	a	11
c	b	12
d	14	7

31. A motorist travelled at 40km/hr for 3 hours. He rested for 1 hour and continued his journey at 90km/hr for 2hrs. Calculate the average speed for the whole journey. (5 marks)

32. The table below shows malaria patients who reported at a certain hospital in the first half of the year. Study it and answer the questions that follow.

Months of the year	Jan	Feb	March	April	May	June
Number of patients	50	30	25	30	40	65

(a) Draw a circle chart of 3.5cm in the space below to represent the above information. (5 marks)

End