

PRIMARY SCHOOL'S EXAMINATION

P.7 TERM II EXAMINATIONS (SET TWO) PRIMARY SEVEN MATHEMATICS

Time Allowed: 2 hours 30 minutes

INDEX NO.

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Name:.....

School:.....

Stream:.....

DO NOT OPEN THIS BOOKLET UNTILL YOU ARE TOLD TO DO SO

Read the following instructions carefully:

1. This paper is made up of two sections: A and B
2. Section A, has 20 short-answer question (40marks)
Section B has 12 questions (60 marks)
3. All the working for both section A and B must be shown in the spaces provided.
4. All working must be done using a blue or black ball point pen or fountain pen. Diagrams should be done in pencil
5. No calculators are allowed in the examination room..
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated "For examiners use only"

FOR EXAMINERS USE ONLY	
A	
B	
TOTAL	

Organised by: Nakitto Teacher's office , Tel: 0754 946 890/ 0777810 284

SECTION ; 40 MARKS

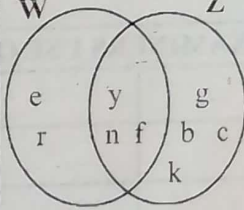
1. Work out ; $20 \div 10$

2. Write in words ; 10,098.

3. Simplify; $8n - 5p - 3n + 7p$

4. Write the time "a quarter to midnight" in figures in 12hour clock system.

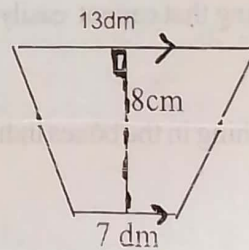
5. Find the number of elements set **W** complement



6. Given the digits; 1,2,3, 4, 5, 6, 8 and 9 ; Find the probability of picking a square number randomly from the digits

7. Express $12\frac{1}{2}\%$ as a fraction

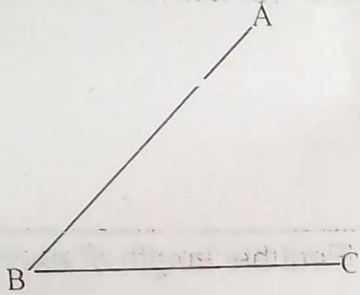
8. Calculate the area of the figure below



9. Husinah has bank notes numbered from FW 00400 to FW 00499. If each note is worth sh 5,000, how much money does she have?

10. If $Q = [2^2 \times 3 \times 5^1]$
Find the value of Q.

- 11 Using a ruler, a pencil and a pair of compasses only, bisect angle **ABC**.



12. Arrange the following integers starting from the smallest

+3, -1, +5, 0, 4

- 13 If set $H = [4, 6, 8, 9]$
How many proper subsets are in set H?

14. Add; 1011_{two}
 $+ 101_{\text{two}}$

15. Find the value of a; $2^a + 2^2 = 2^3$

16. A cyclist travelled 12km in 2hours 30minutes. Find his average speed.

17. Using a ruler a pencil and a pair of compasses only, construct an angle of 30°

18. Solve for e; $3e + 6 = 12$

19. The cost of a pen and a book are in the ratio of 5:3 respectively. If a pen costs sh.2000, what is the total cost of all the two items?

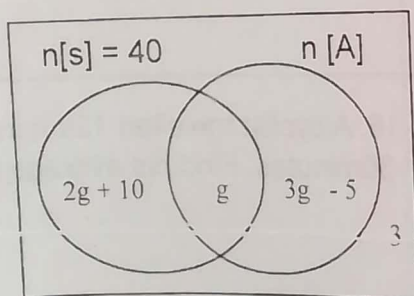
20. The area of a square garden is 64 km^2 . Find the length of each side.

SECTION B ; 60 MARKS

Attempt all questions in this section

Marks for each part of the question are indicated in the brackets

21. In the venn diagram below, 40 pupils like Science [S] and some like Art and crafts [A] while g like both subjects.



[a] Find the value of g

[b] How many pupils like Art and crafts?

[c] Find the number of pupils in the class.

22. The table below shows the National Water Sewerage Corporation bill for a family. Study and use it to answer the questions that follow.

METER DETAILS	
CUSTOMER NO; 431418 Sanya Mukisa	
DATE READ ; 30/ 03 / 2021	
TAX TIN ; 20000324	
	READING
	CURRENT; 1085
	PREVIOUS; 1069
	CONSUMPTION; _____
Water charge at sh 4100 per unit, service charge at sh 3000 per month,	
V.A.T charge sh.1400.	
Total amount due	sh _____

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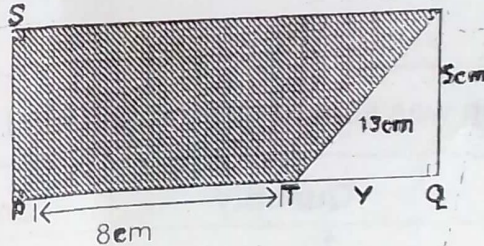
[a] How many units of water did the family consume?

[b] Calculate the amount of money the family spent on water. [02 marks]

23. Solve for W
 $10 + W = 3$ [w-2]

[b] Given that $a = 4$ $b = 3$, Find the value of $a^2 + 3b$

24. In the diagram below, PQRS is a rectangle and TQR is a right angled triangle cut off from the rectangle PQRS. Study it carefully and answer the questions that follow.



[a] Find the value of Y

[b] Work out the area of the shaded part.

25. Nabunya scored the following marks in fortnightly tests
77, 55, 69, 96, 63, 81, and 63.

[a] What was her modal mark?

[b] Find her median mark.

c] What is the Probability that she scored a mark below her average mark?

26 [a] With the help of a ruler, a sharp pencil and a pair of compasses only, construct a triangle **PQR** in which **PQ** is = 7CM, angle **PQR** = 120° and **QR** = 5.5CM

[04 MARKS]

[b] Measure QRP

27. Aminah was sent to buy the following items from the shop.

Item	Quantity	Unit cost	Amount
Beans	$1\frac{1}{2}$	sh. 3200	sh. _____
Rice	3kg	sh. _____	sh. 9000
Cooking oil	_____ litre	sh. 5000	sh. _____
Bill			sh. 16300

[a] Complete the table above,

[b] If she had a note of twenty thousand shillings, how much was her change?

28. Muhumuza's milk can was $\frac{3}{5}$ full; When he sold 21 litres, the can became $\frac{1}{4}$ full.

[a] How many litres of milk does the can hold when completely full?

[b] If he sold milk at sh. 1800 per litre, how much money did he get from the sale of milk that was in the can?

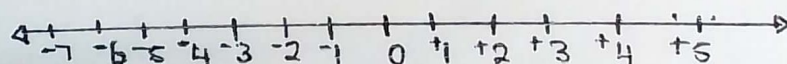
29. [a] Give that
 $2p_{\text{four}} = 1011_{\text{two}}$
 Find the value of p

[03 mark]

[b] Work out $[0.49 \times 73] + [27 \times 0.49]$
 using distributive property.

[02mark]

30. [a] Use the number line below to work out $3 - 5$



[b] The temperature of water ice was -20°C . When the water was heated, the temperature rose to 5°C . What was the rise in temperature?

31. Peter and Moses reported to the clinic for treatment at intervals of 40min and 50min respectively.

[a]. After how many hours will both report for treatment?

[b]. When will they report together if they first reported on Monday at 2;00pm?

32. Acyclist covered a distance of 360km in 3 hours from Kampala to Lira. He then continued to Soroti town at a speed of 90km/hr for 2 hours.

[a] How far is Soroti from Kampala?

[02 marks]

[b] Work out the average speed for the whole journey

[03 marks]

END

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