



PROSPER EDUCATIONAL CONCERN
END OF TERM I ASSESSMENT 2023
PRIMARY SEVEN
MATHEMATICS

Time allowed 2 hours 30 minutes

INDEX NO:

EMIS			

Personal No.			

Candidate's Name:

Candidate's Signature:

Candidate's School:

District Name:

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper has two sections A&B
Section A has 20 short Questions (40 marks)
Section B has 12 Questions (60 marks)
2. Answer All Questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a blue or black ball-point pen or fountain pen.
Diagrams should be drawn in pencil.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks
6. Do not fill any thing in the boxes shown "for Examiners' use only" and those inside the Question paper.

For Examiners'
Use Only

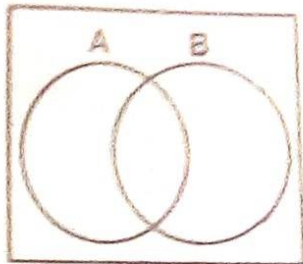
PAGES	MARKS	SIGN
page - 1		
page - 2		
page - 3		
page - 4		
page - 5		
page - 6		
page - 7		
page - 8		
page - 9		
TOTAL		



ORGANISED BY PROSPER EDUCATIONAL CONCERN (KAMPALA).

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SECTION A (20 Marks)

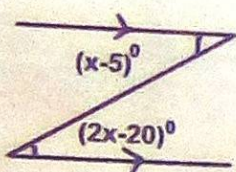
1. Find the sum of 21 and 79.	2. What is the value of 5 in the number 45,678?
3. Simplify 6^{-+2}	4. Shade $(A \cap B)^c$ on the Venn diagram below. 
5. Chebet bought a hen at sh.10,000 and later sold it at sh. 12,000. What was chebet's percentage profit.	6. Given that set M has 63 proper subsets. Find the number of elements in set M.
7. Solve for X: $5(X-2) = 5$	8. Without dividing, show that 4323 is divisible by 3.

(20 A)
2.

9. A school has 100 pupils, the head master sent $\frac{1}{5}$ of them home for fees. How many pupils were sent home?

10. Find the next number in the sequence below.
4, 6, 8, 10, _____, _____.

11. Find the value of X .



12. Work out:
- $$\begin{array}{r} 1 \quad 1 \quad 1 \text{ two} \\ - \quad 1 \quad 1 \text{ two} \\ \hline \end{array}$$

13. Increase sh. 6000 by 20%.

14. A man drives a car at a speed of 60km/hr covering a distance of 480km. How long does it take?

15. Peter is 14 meters tall but Moses is 4 meters shorter than Peter. Find their total height in centimeters.

16. Twelve poles are fixed in equal spaces of 10 metres apart from each other in a line. How far is it from the first pole to the last pole?

17. Work out $\left(\frac{4}{9} \times 46\right) - \left(\frac{4}{9} \times 28\right)$ using a distributive property.

18. What number has been expanded to give?
 $(4 \times 10^3) + (2 \times 10^2) + (5 \times 10^1) + (9 \times 10^0) + (6 \times 10^{-1}) + (7 \times 10^{-2})$

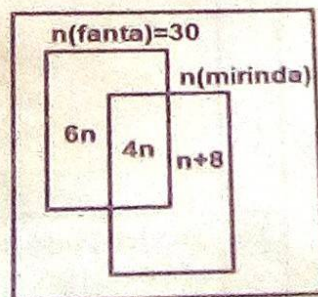
19. Represent 40613 on the abacus below.

T/TH	TH	H	T	O

20. Express 0.2727... as a common fraction.

SECTION B

21. The Venn diagram below shows different drinks of soda taken by people at a certain party. Study and use it to answer the questions that follow.



a) Find the value of n .

(2marks)

b)	Find the total number of people who attended the party. (2marks)	c)	How many people did not take fanta? (1mark)
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22. The sum of 3 consecutive even numbers is 66. Find the numbers if the second number is n .
(4marks)

23. a) If today is Tuesday. What day of the week was it 89 days ago?
(2marks)

b) Given that $24_x = 16_{10}$. Find base X .
(3marks)

24. a) Using a pair of compass, a sharp pencil and a ruler, construct a rectangle PQXY where $\overline{PQ} = \overline{XY} = 8\text{cm}$ and $\overline{PX} = \overline{QY} = 6\text{cm}$. (4marks)

b) Measure the diagonal PY in cm.

- c) Calculate the Area of Quadrilateral drawn above (2marks)

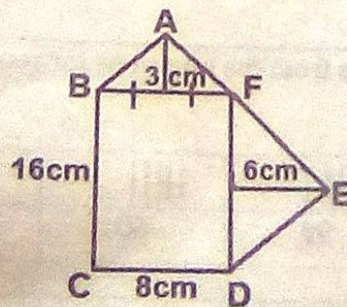
25. In a class, $\frac{5}{6}$ of the pupils are boys. If there are 20 more boys than girls in a class, how many pupils are in the class? (3marks)

- c) How many girls are in the class? (2marks)

26. The average weight of 59 boys is 40kg but when the weight of the teacher is added, it becomes 41kg. What is the weight of the teacher? (3marks)

b) Kenneth was the fifth boy on the bench from either sides. How many boys were seated on the bench? (2marks)

27. Study the combined figure below carefully and use it to answer the questions that are asked below.



a) Find the total distance around the figure. (3marks)

b) Work out the Area of the whole figure. (3marks)

28. A motorist travelled for 2 hours at a speed of 10km/hr from town P to town Q. (2marks)
He returned at a speed of 15km/hr.
a) What is the distance between town P and Q?

- b) Find the average speed for the whole journey. (3marks)

29. The table below shows the results from the interview for recruiting doctors at Mulago National Hospital.

Tally					
Marks	50	90	60	80	100

- a) What was the modal mark? (1mark)
- b) How many people sat for the interview? (2marks)

28. A motorist travelled for 2 hours at a speed of 10km/hr from town P to town Q. (2marks)
He returned at a speed of 15km/hr.
a) What is the distance between town P and Q?

(3marks)

- b) Find the average speed for the whole journey.

29. The table below shows the results from the interview for recruiting doctors at Mulago National Hospital.

Tally					
Marks	50	90	60	80	100

- a) What was the modal mark? (1mark)
- b) How many people sat for the interview? (2marks)

c) Calculate the average mark for doctors who were interviewed. (3marks)

30. To prepare food for athletes during cluster competition Mr. Olyang needs the following.

3kg of meat at sh.14000 per kg.

$3\frac{1}{2}$ kg of rice at sh.4000 per kg.

6 tomatoes at sh.400 for every 3 tomatoes.

500 litres of cooking oil at sh.3000 per litre.

a) Find the total amount of money Mr. Olyang needs to prepare the meal. (5marks)

31. a) Work out:

	kg	g
	7	540
+	2	460
<hr/>		
<hr/>		


- b) Wambuzi was driving a truck full of matooke weighing 6 tonnes. The police forced him to offload atleast $\frac{1}{2}$ a tonne before proceeding on to his final destination. If the truck alone weighs $3\frac{1}{2}$ tonnes, how much food (matooke) was he left with? (3marks)

32. The table below shows pupils who were absent from school in one week.

DAY	Mon.	Tue.	Wed.	Thur.	Fri.
Pupils absent	12	16	10	12	18

Draw a pictograph to represent the above information.

(5marks)

Scale:  represents 2 pupils.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

End