PROSPER EDUCATIONAL CONCERN
END OF TERM I ASSESSMENT 2024
PRIMARY SEVEN
MATHEMATICS

PEC — "PROSPER EDUCATIONAL CONCERN" — "For Better Performance"

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.
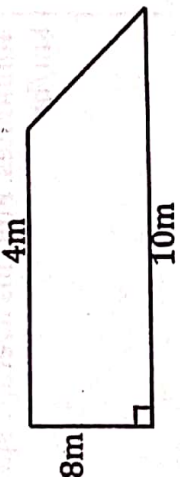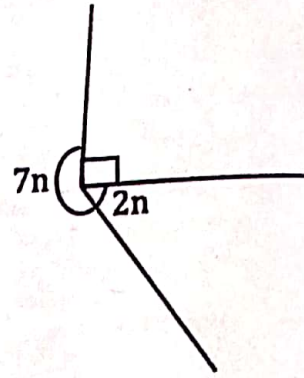
ORGANISED BY PROSPER EDUCATIONAL CONCERN (KAMPALA).
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7.	8.
Decrease 980kg in the ratio of 3:4.	Find the mode of the following numbers. 2, 3, 3, 4, 2, 5, 3, 2, 4, 3, 5.
9.	10.
Find the area of the figure below. 4m 10m 8m	Three girls can sweep a class in 12 minutes. How long will four girls take to sweep the same class working at same rate?
11.	12.
Workout: $\frac{15}{21} \div \frac{3}{7}$ using Lcm method.	UMEME charges sh 250 for every 15 units of power consumed. A customer paid sh 65,000. How many units did he consume?

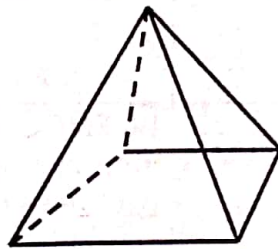| 13. Calculate $2^2 \times 61$ and then write the answer in Roman numerals.	14. Find the value of n.
	7n, 2n
15. Workout 205 x 3.	16. Ochan cycles a distance of 108km in 40minutes. Find his average speed in km/hr.

17. The figure below is a pyramid.

a) How many faces does it have?

b) Find the number of edges.

18.	The ratio of boys to girls in a class is 5:8 respectively. If there are 52 pupils in the class. Find the number of girls.

19.	Given that 🍅 represents 15 tomatoes. Draw the diagrams to represent 75 tomatoes.	20.	Workout $0.8 - 0.9 + 1.2 \div 6$.

SECTION B

- Answer all questions in this section.
  - Marks for each question are indicated in brackets.

21.	A maid went for shopping and bought the following items. 2kg of sugar at sh 3,600 per kg. $1\frac{1}{2}$kg of beef at sh 18,000. $\frac{1}{2}$ bar of soap at sh 3,600 a bar. 250g of salt at sh 1200 each kg.
a)	Find the total expenditure. (05marks)

22. Study the magic square below and answer the questions.

d.........	c.........	8
5	7	b.........
6	11	a.........

Find the unknown values and fill in the table correctly.   (05marks)

23. Opolot gave out 360 iron sheets to three schools as follows;
Kole P/s got $\frac{1}{3}$, Kalaki P/s $\frac{1}{4}$ and Atiriri P/s got the rest.

a) How many iron sheets did
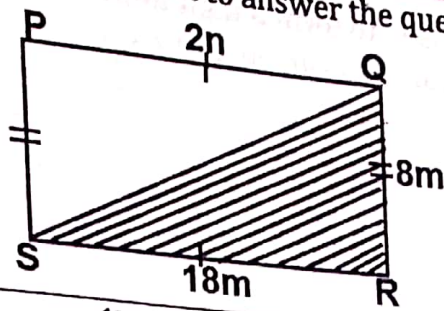   i) Kole p/s get?   (02marks)

   ii) Kalaki p/s get?   (02marks)

b) How many iron sheets did Atiriri p/s get?   (01mark)

24. The figure below is a rectangle. Use it to answer the questions.

a) Find the value of n. (02marks)

b) Calculate the area of figure PQS. (02marks)

25. Given the numbers on the card below.

First card	Second card	Third card
8	12	6

a) Find the Lowest Common Multiple of the number on the cards. (02marks)
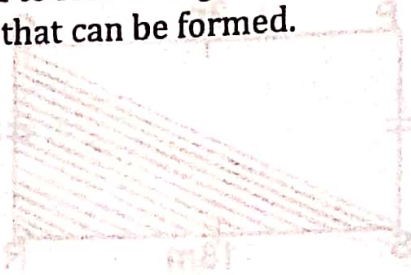
b) List down all the factors of 24. (01mark)

c) Find the Greatest Common Factor of 8 and 6. (02marks)

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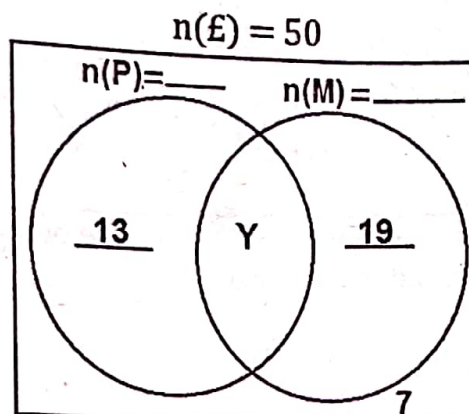|	
26. a)	The digits 5, 0, and 9 are used to form 3 digit numerals. (04marks) Write down all the numerals that can be formed.
b)	Find the difference between the largest and smallest numerals formed. (02marks)
27. a)	During Juma prayers, 480 male moslems and 960 female moslems entered in Kibuli mosque. If the males made a line of 60 people and female made a line of 80 people. How many lines were made altogether? (03marks)
b)	There was contribution for painting the mosque. If each male moslem paid sh 2,000 and each female moslem contributed sh 1000, how much money was collected? (03marks)

28. In a class of 50 pupils, 13 pupils eat porridge (P) only 19 pupils take milk only (M), 7 pupils take neither and Y take both.

a) Complete the venn diagram below. (02marks)

$$n(\pounds) = 50$$

n(P)=_____   n(M) =_____

13   Y   19

7

b) Find the value of Y. (02marks)

c) What is the probability of picking a pupil at random who eats porridge? (01mark)

29. Using a ruler, a pair of compasses only construct a triangle PQR where PQ=6cm, angle P =60⁰ and angle Q = 45⁰.

a) Measure line PR. (05marks)

30. Solve: $5(k+2) - (k-4) = 34$.

(03marks)

a)

b) Opio is twice as old as his sister Annet and their total age is 15 years. How old is Annet?

(02marks)

31. A man had 4 twenty litre jerrycans of petrol, he sold the petrol at sh 2000 per 500 millilitres. How much money did the man get?

(04marks)

32. The table below shows the number of customers and the number of litre : of milk bought from the farm. Use it to answer questions that follow.

Number of litres	Number of customers	Total
10	6	60
16	____	112
12	8	____
30	____	300
	9	72

a) Complete the table above.

(04marks)

b) Find the modal of the litres bought.

(01mark)

END