



PROSPER EDUCATIONAL CONCERN

TERM III ASSESSMENT 2024

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.

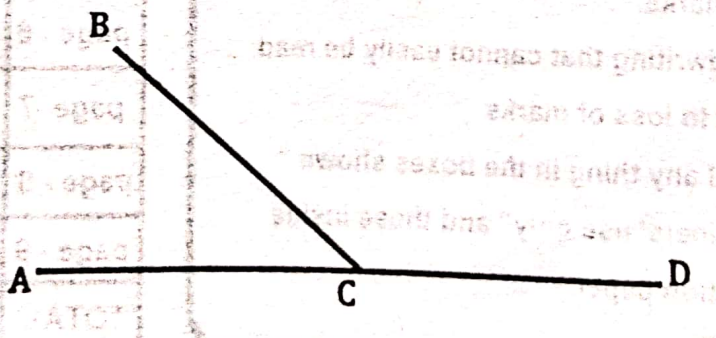
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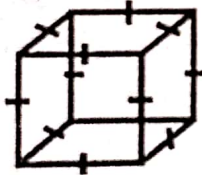
PAGES	MARKS	SIGN
page - 1		
page - 2		
page - 3		
page - 4		
page - 5		
page - 6		
page - 7		
page - 8		
page - 9		
TOTAL		

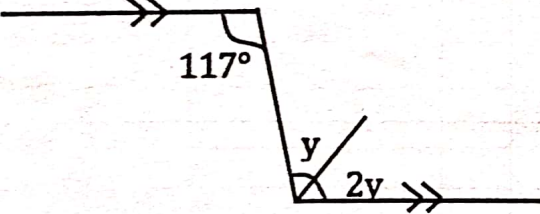


ORGANISED BY PROSPER EDUCATIONAL CONCERN (KAMPALA).
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SECTION A (40 MARKS)

1.	Workout 120×8	2.	Given that set $M = \{\text{prime numbers between 0 and 20}\}$. Find $n(M)$.										
3.	Find the next number in the sequence 1, 3, 7, 13, 21, _____	4.	Work out: $\begin{array}{r} 3 \quad 1 \quad 2 \text{ five} \\ + 2 \quad 0 \quad 3 \text{ five} \\ \hline \end{array}$										
5.	Study the table below and find the median. <table border="1"> <tr> <td>No. of pupils</td> <td>1</td> <td>3</td> <td>2</td> <td>1</td> </tr> <tr> <td>Marks scored</td> <td>30</td> <td>15</td> <td>25</td> <td>10</td> </tr> </table>			No. of pupils	1	3	2	1	Marks scored	30	15	25	10
No. of pupils	1	3	2	1									
Marks scored	30	15	25	10									
6.	Using a ruler, a pencil and a pair of compasses only, bisect angle BCD below. 												

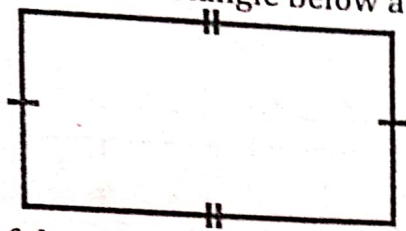
7.	What name is given to a regular polygon whose interior angle sum is 900° ?		
8.	Change 25m/sec into km/hr.	9.	Increase 45 pupils by $66\frac{2}{3}\%$.
10.	Study the figure below carefully. If the base area of the cube below is 9dm^2 , calculate the total surface area.	11.	Work out: $7 \times 9 \div 3$
			
12.	Mr. Omolo sold 250 millilitres milk. How much money would one pay for one litre of milk If a packet costs sh.1,800	13.	In a class, there are 45 boys and 25 girls. Find the ratio of girls to the whole class.

14.	<p>Given the exchange rates below: 1 USD costs UG sh. 3,600 1 KSH Costs UG sh. 36 Workout the cost of 9 mattresses in US dollars. If it costs UG sh. 108,000</p>	
15.	<p>A parent's meeting at Kampala Parents P/S started at 11:50am. If it lasted $2\frac{1}{2}$ hours. At what time did it end?</p>	<p>16. Solve $2^{2k} \times 4 = \frac{1}{256}$.</p>
17.	<p>In the diagram below, find the value of y.</p> 	
18.	<p>A trader deposited sh.600,000 in Iteso cultural union SACCO that offers a simple interest rate of 10% per month for 4 months. Calculate his simple interest.</p>	<p>19. A man was born in 29BC and died in 51AD. How old was the man before his death?</p>

20.	Hawa is two thirds as old as Aisha. Aisha is (n) years old. The product of their age is 24 years. How old is Aisha?
SECTION B:	
21.	<p>In a market, 27 traders sell fruits (F) only, $(d+10)$ traders sell vegetables (v) only. $(d+5)$ traders sell both fruits and vegetables, while 4 traders sell other items.</p> <p>a) Use the above information to complete the Venn diagram (02 marks)</p> <div style="text-align: center;"> </div>
b)	If 29 traders sell vegetables, find the value of d . (02 marks)
c)	How many traders sell only one item? (02 marks)
22.	<p>a) Add:</p> <div style="margin-left: 100px;"> $\begin{array}{r} 1\ 2\ 1\ \text{three} \\ +\ 2\ 2\ \text{three} \\ \hline \end{array}$ </div>

b)	Given that $101_m = 1101_{\text{three}}$. Find the value of the base represented by letter m. (03 marks)	
23.	a) Find the number which has been expanded below $(3 \times 10^2) + (5 \times 10^{-2})$ (02 marks)	b) Sixty six poles are fixed in a straight line along one side of a road. The poles are fixed at an interval of 10 metres. Calculate the length of the road. (02 marks)
24.	a) Work out $4p^3 \div p^2$. (02 marks)	b) Express $3^4 \times 3^1 \times 3^2$ in a short form. (02 marks)
25.	a) The second consecutive odd number is 37. Find the first and fourth odd numbers. (03 marks)	b) What is the sum of the four consecutive odd numbers? (02 marks)

26. The length and width of a rectangle below are in the ratio of 5:3 respectively.



If the perimeter of the above figure is 48cm, find its area.

(06 marks)

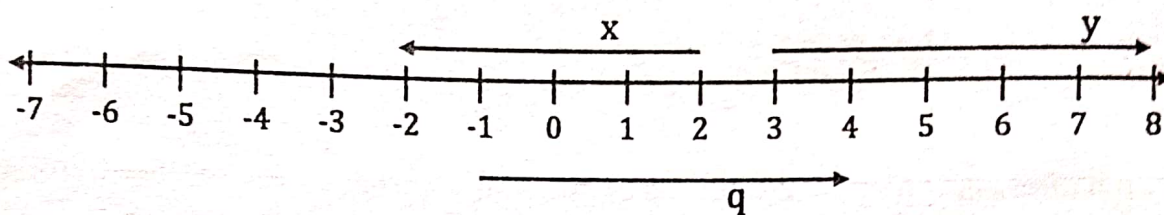
27. The bill below was prepared by Sharon to buy items from a shop. Study it carefully and find the missing parts. (05 marks)

ITEM	QUANTITY	UNIT COST	TOTAL
Rice	3kg	Sh.2,800 per kg	Sh. _____
Meat	$2\frac{1}{2}$ kg	Sh. _____	Sh.25,000
Sugar	_____	Sh.3,200 @kg	Sh.9,600
Banana	_____ bunch	Sh.1,500	Sh.15,000
Total			Sh. _____

- a) Find Sharon's change. If she went with sh.60,000.

(01 mark)

28. a) Give the value of x , y , q . (03 marks)



b) Simplify $-3 - +8$ (02 marks)

29. a) A kilometer is about $\frac{5}{8}$ of a mile. If a taxi travelled $\frac{3}{4}$ of a mile. How many kilometers did it cover? (02 marks)

b) Write in figures: Four hundred ninety seven and sixty three hundredths. (02 marks)

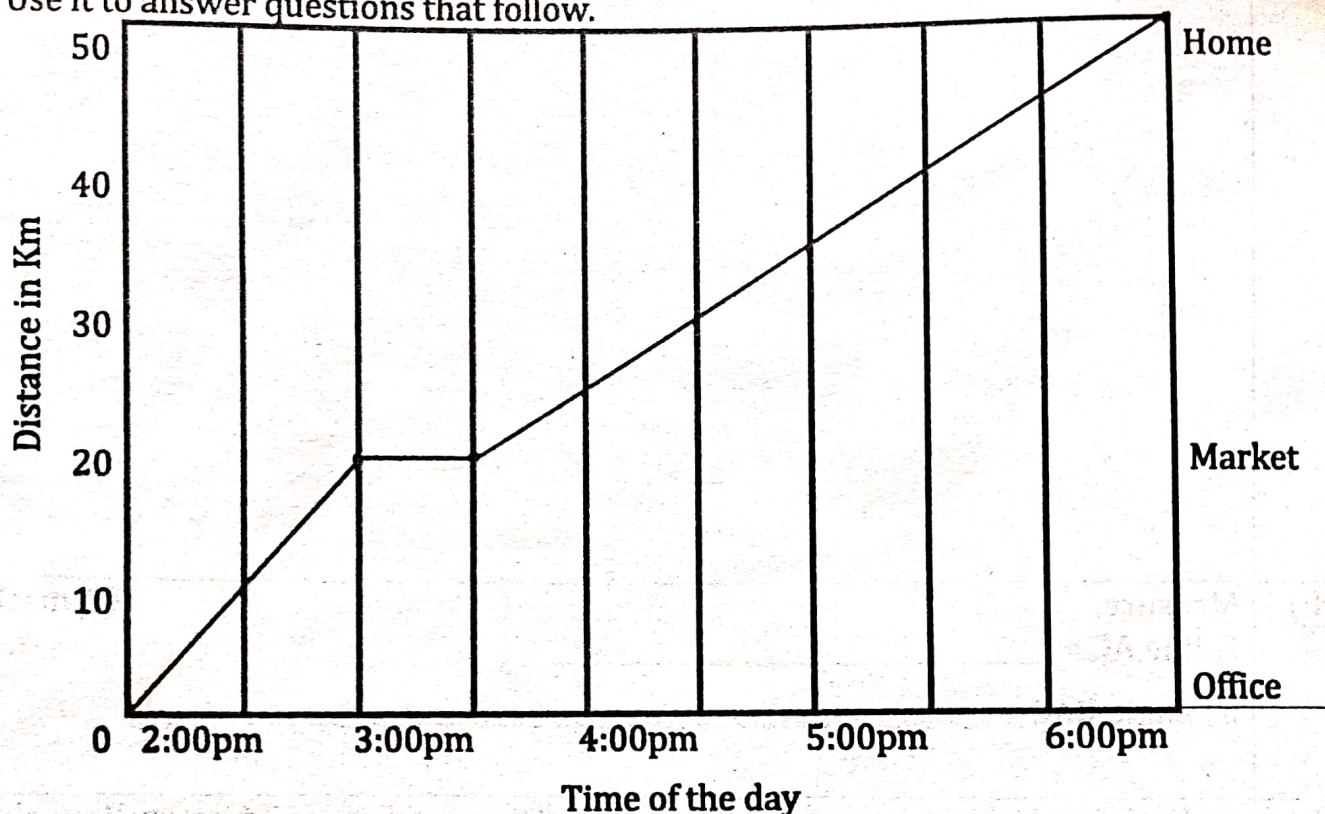
30. a) With the help of a ruler and a pair of compasses only, construct a triangle ABC in which angle ABC is 120° , line AB = line BC = 6cm. (04 marks)

- b) Measure:
i) line AC = _____ (01 mark each)
ii) angle BAC = _____

31. a) Jonathan is 8 years younger than Fauza. Their total age is 24 years. How old is Fauza? (02 marks)

- b) Solve $\frac{8}{n} + 5 = 9$. (02 marks)

32. The travel graph below shows Mr. Mugisha's journey from his work place via the market to his home.
Use it to answer questions that follow.



- a) At what time did Mugisha arrive at the market? (01 mark)
- b) For how long did Mugisha stop at the market? (01 mark)
- c) How far is the market from Mugisha's home? (01 mark)
- d) Calculate Mugisha's average speed for the whole journey. (02 marks)

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