



PROSPER EDUCATIONAL CONCERN MOCK 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.

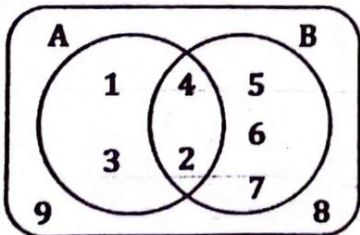
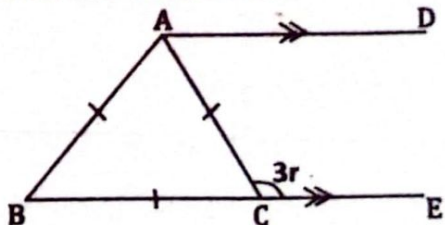
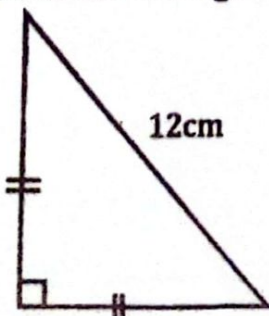
For Examiners' Use Only


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 (40 MARKS)

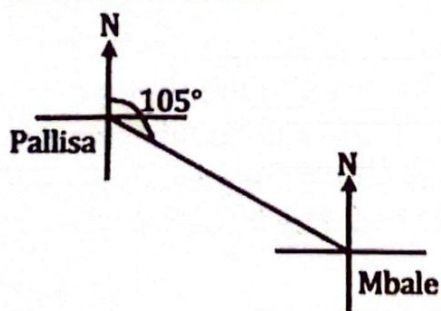
1.	Workout: $2^3 \times 10^0$.	2.	Express 25_{ten} to base three.
3.	Decrease 80,000 goats in the ratio 4:5.	4.	What is the prime factorization of 729 in power form?
5.	Use the Venn diagram below to find out $n(A \cap B)$!	6.	In the diagram below ABC is an equilateral triangle. AD is parallel to BC . Find the value of r .
			
7.	The area of the triangle below is 32cm^2 . Find its base.		
			

8.	In a bag, there are 120 mangoes and oranges, the mangoes are 80. If one fruit is picked at random. What is the probability of picking an orange?	9.	Workout: <div> <div>Hours</div> <div>Min</div> <div>Sec</div> <div>16</div> <div>25</div> <div>20</div> <div>-7</div> <div>00</div> <div>35</div> </div>
10.	Work $2^2 \times 3 = y$ (finite 11)	11.	 Contains 300 milliliters of mineral water. If Ogowang bought one and half litres of mineral water. How many such bottles could he have bought?
Using a ruler, a pair of compasses only, construct an angle 225° .			

13. Round off 380.59 to the nearest whole number.

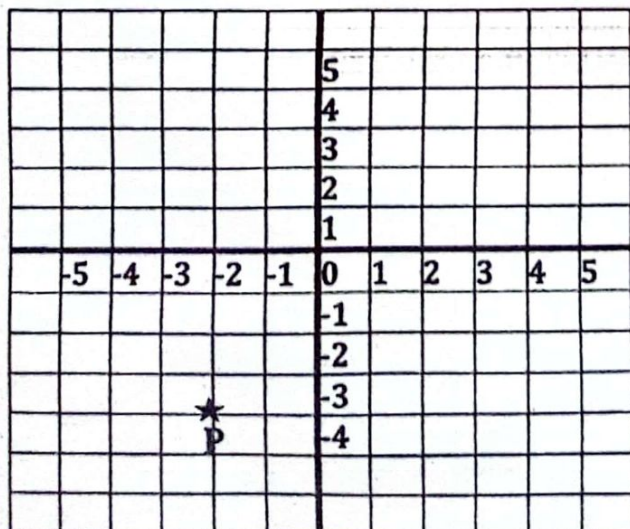
14. By selling a radio at shs. 92,000, a trader makes a loss of shs. 8,000. Find his percentage loss.

15. In the diagram below, find the bearing of Pallisa from Mbale.



16. The mean of two consecutive odd numbers is 8. Find the first numbers.

17. i) Write the co-ordinates of point P.



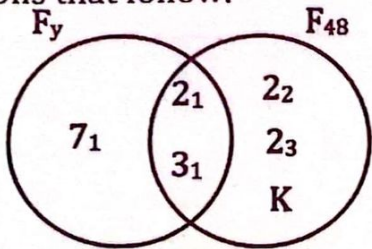
ii) Plot the point M (0, +4).

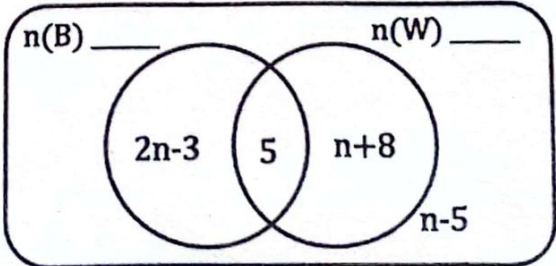
18.	Express $\frac{2}{3}$ as a decimal fraction.	19.	What is the size of the prime numbers between 80 and 100?
20.	What is the size of the interior angle of a regular hexagon?		

SECTION B (60MARKS)

Answer all the questions in this section.

Marks for each question are indicated in brackets.

21.	Study the Venn diagram and answer questions that follow.	a)	Find the value of Y. (01 mark)
			
b)	Find the value of K. (01 mark)	c)	Workout the GCF and LCM of Fy and F48. (02 marks)

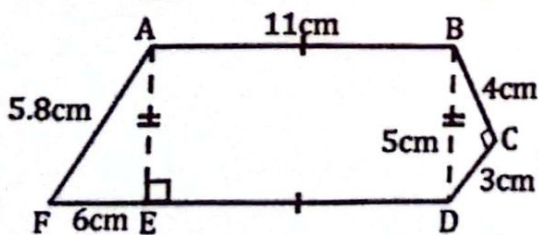
22.	<p>The Venn diagram below shows guests who spent a night in WETS Hotel Pallisa. If they took Beer (B) and Waragi (W), study the Venn diagram and answer questions that follow.</p> 		
	a) Complete the Venn diagram. (02 marks)		

c) Find the probability of picking at random a guest who liked waragi only (02 marks)

(02 mark)

(02 mark)

(04 mar)



25.	<p>a) Solve and write the solution set. $3n \leq 12$. (03 marks)</p>	b)	<p>A father distributed 32 books to his children as follows. Odongo got three times as much as Oluka and Okia got three books less than Odongo. How many books did Oluka get? (02 marks)</p>
26.	<p>Grace bought the following items from Isa's whole sale shop to stalk in her retail shop. 50 litres of cooking oil for shs. 60,000. 80kg of salt for shs. 40,000. 50kg of sugar for shs. 150,000.</p>		
a)	<p>If she wished to get a 20% profit by selling sugar, at which retail price did she sell 1kg of sugar? (02 marks)</p>	b)	<p>If she sold 1 litre of cooking oil at shs. 1,500. What was her profit? (02 marks)</p>
27.	<p>Okot spent $\frac{1}{3}$ of his salary on food, $\frac{2}{9}$ on clothing, $\frac{1}{6}$ on medical care. He banks the rest which is shs. 50,000.</p> <p>a) What fraction of his salary does he bank? (02 marks)</p>	a)	<p>How much money does he earn as salary? (03 marks)</p>

<p>28. The interior angle of a regular polygon is 5 times the exterior angle. a) How many sides has the polygon? (03 marks)</p>	<p>b)</p>	<p>Calculate its interior angle sum. (02 marks)</p>
<p>29. Mr. Opolot has to fence around his rectangular farm of land 225 metres by 165metres. The fencing poles will be 3 metres apart. a) How many poles will he use? (04 marks)</p>		
<p>) If each pole costs shs. 2,000. How much will he spend on fencing his farm of land? (02 marks)</p>		

30. The table below shows Alice's scores in mid-term examination. Use it to answer the questions that follow.

MTC	SCI	ENG	SST
30	20	Y	15

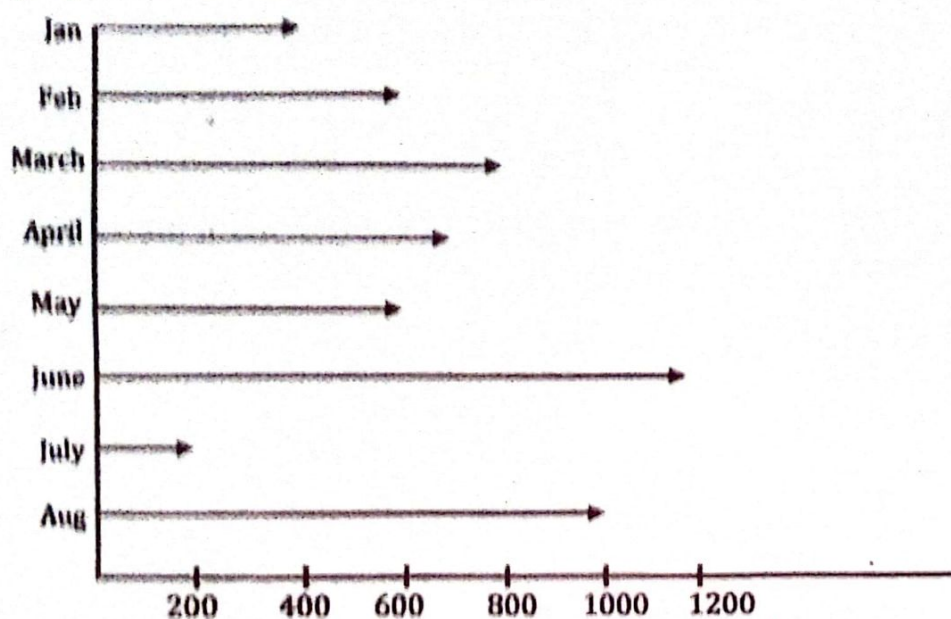
If the scores were in percentage, use a radius of 4cm to construct a pie-chart representing the above information.

(05 marks)

31. The digits 5, 0 and 9 are used to form 3-digit numerals.
- a) Write down all the numerals that can be formed. (01 mark)

- b) Find the difference between the largest and the smallest numerals formed. (02 marks)

33. The graph below shows the number of cars sold from January to August this year.



a) How many more cars are sold in August than February? (01 mark)

b) If a car is shs. 8,000,000, how much money would be collected in the months of March and May? (02 marks)

How many cars were sold in the 8 months altogether?

(02 marks)