## ST.PETER'S PRIMARY SCHOOL NSAMBYA

## PRIMARY LEAVING SPECIAL MOCK EXAMINATION

2023

## **MATHEMATICS**

Time Allowed: 2 hours 30 minutes

index No.			
	1 9		
Candidate's Name	 	 	

EMIS No.

	School Name:		
	District Name:		
SPECIAL	Read the following	instructions carefully:	
Medd the follows:			FOR

Candidate's Signature:

- Do not forget to write your school and district name on this paper.
- 2. This paper has two sections: A and B. Section A has 20 questions and Section B has 12 questions. The paper has 15 printed pages altogether
- 3. Answer all questions. All the working for both sections 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 ink. Any work done in pencil other than graphs and diagrams will not be marked.

FOR EXAMINERS' USE ONLY					
Qn.No.	MARKS	EXR'S NO.			
1 - 5					
6 - 10					
11 - 15					
16 - 20					
21 - 22					
23 - 24					
25 - 26					

Personal No.

## SECTION A: 40 MARKS

Answer all questions in this Section

Questions 1 to 20 carry two marks each

1. Workout:

2 3

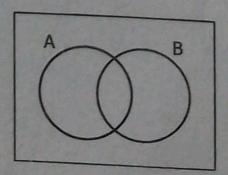
X 3

2. Find the additive inverse of 2.

3. Write CDXLII in Hindu Arabic numeral.

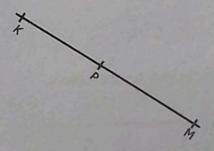
4. Work out:  $\frac{2}{3} + \frac{1}{4}$ 

5. In the diagram below, shade (A - B)'



6. Subtract 2p – 4 from 3p – 7.

7. Draw an angle of 75° at point P using, a ruler, a pencil and a protractor.



8. The car covered 0.4km and it got a mechanical problem. The remaining distance to complete the journey was 48km. How long was the journey?

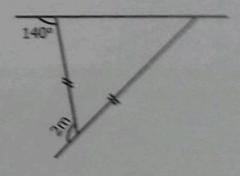
9. Round off 29.95 to the nearest tenths.

10. Find the sum of the next two numbers in the sequence:

216 , 125 , 64 , \_\_\_ , \_\_\_

The perimeter of the rectangle is 12m. If its width is half the length.
 Calculate the area of the rectangle.

12. Calculate the value of m in the figure below.

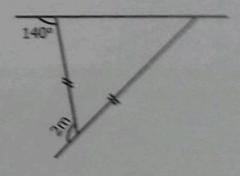


13. Given that  $PF_{18} = 2x3^2$  $PF_{24} = 2^3 \times 3^1$  10. Find the sum of the next two numbers in the sequence:

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13. Given that  $PF_{18} = 2x3^2$  $PF_{24} = 2^3 \times 3^1$  18. Work out 12 + 3 using a number line.

19. If 
$$p = -8$$
,  $k = -5$ , find the value of  $4p - 5k$ 

20. Patience sold 24 litres of milk using a cup of 500ml. How many such cups

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23. (a) Solve and state the solution set for n if;  $-2n + 4 \le 16$ . (02)

(b) Solve for k:  $43_{ten} = 37_k$ .

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(02 N

- 24. James travelled from Town A to Town B at a speed of 50km/hr for 2 how He then continued to Town C at a speed of 120km/hr for 30 minutes and rested for 30 minutes at Town C.
  - (a) How far is Town C from Town A?

(02 Ma

- 26. By using a ruler, a pencil and a pair of compasses only:
  - (a) Construct a triangle PNY where ZPNY = 75", NY = 6.5cm and\_NYP= 60°.

(04 Marks)

Find the perimeter of the triangle PNY above. (b)

(02 Marks

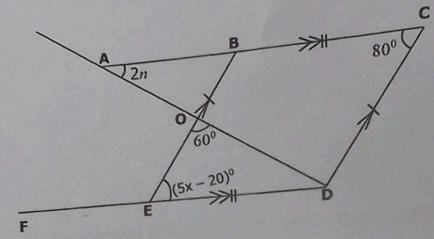
b) If he returned to Town A at a speed of 80 average speed for the whole journey.	Okm/hr, calculate his (03 Marks)
he interior and exterior angles of a regular poly espectively.	gon are in the ratio of 3:2
a) Name the polygon.	(03 Marks)
Calculate its interior angle sum.	(02 Marks)

Frank spent  $\frac{1}{3}$  of his salary on food,  $\frac{1}{4}$  less than the remainder on reni 28. saved sh.120,000 for his son's school fees. How much does Frank ear (05 M

Tom is 15 years older than Sarah, in 6 years' time, Tom will be twice as 29.

(a) How old is Sarah now?

(03 Mark

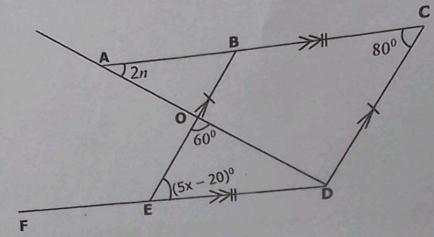


Find the value of x. (a)

(02 Marks)

Calculate the size of angle BAO. (b)

(02 Marks)



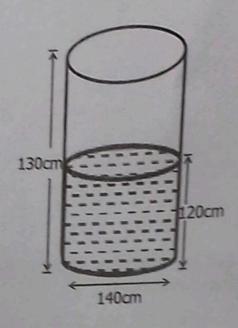
Find the value of x. (a)

(02 Marks)

Calculate the size of angle BAO. (b)

(02 Marks)

31. The milk can below holds milk to a height of 120cm as shown below.

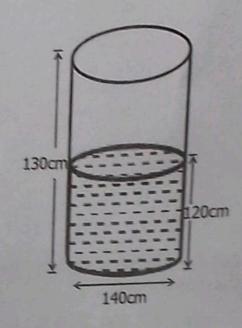


(a) How many litres of milk are in the can?

(Use 
$$\pi$$
 as  $\frac{22}{7}$ )
(03 Marks)

(b) If John buys each litre of milk at sh.2000, how much money is needed for him to make the can completely full? (03 Marks)

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