

THE SIPRO END OF TERM II EXAMINATIONS 2023

SUBJECT : MATHEMATICS
CLASS : PRIMARY THREE
DURATION : 2 hours 30 minutes

Name: _____

School: _____

District: _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 20 questions (40 Marks).
3. Section B has 12 questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or *ink*. Only diagrams and graph work must be done in *pencil*.
6. Unnecessary *alteration* of work will lead to loss of marks.
7. Any *handwriting* that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:

"FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Total		

Please turn over



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SECTION A: 40 MARKS

Questions 1 to 20 carry two marks each.

1. Find the place value of 7 in 3,750.



2. If 1 bottle = 5 bottles, how many bottles are in 3 bottles?

1 bottle = 5 bottles
 3 bottles = (3 × 5) bottles
 = 15 bottles

3. Find and fill in the missing number.

9 + \square = 15. $\square = 9$
 $9 + \square = 15$
 $\square + 9 = 15 - 9$
 $\square + 0 = 6$

4. Write two thirds in figures.

$\frac{2}{3}$

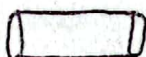
5. Multiply:

$$\begin{array}{r} 34 \\ \times 3 \\ \hline 102 \end{array}$$

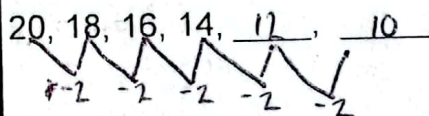
6. How many months are in 2 years?

1 year = 12 months
 2 years = (12 × 2) months
 = 24 months

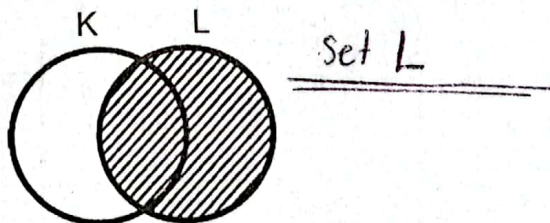
7. Draw a cylinder in the space below.



8. Find the next two numbers in the sequence:



9. Describe the shaded part.



10. Mr. Andrew has sh. 1,800. He shared it among 3 children. How much money did each child get?

$\text{sh. } 1,800$
 $\div 3$
 $= \text{sh. } 600$


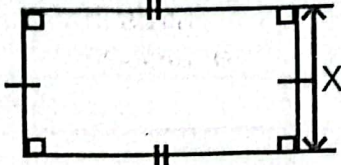
Each child got sh. 600.





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P.3 MATHEMATICS END OF TERM II EXAMINATIONS - 2023

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TEACHER'S GUIDES & PUPIL'S COMPANIONS.

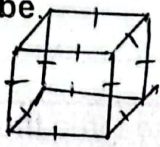
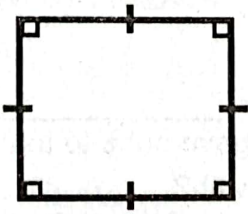
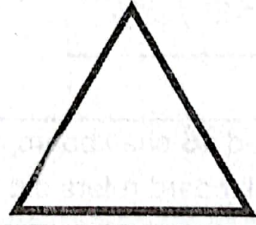
11.	Shade three quarters. 	
12.	Fill in the missing months of the year. January, February, March, April, <u>May</u> , <u>June</u> .	
13.	Which name is given to line marked X in the rectangle below?  X = <u>Width.</u>	
14.	Set J = {Aisha, Milly, Sarah, Angella}. How many members are in set J? <u>Set J has 4 members.</u>	
15.	Work out: $\begin{array}{r} \text{Sh. } 2000 \\ + \text{Sh. } 500 \\ \hline \text{Sh. } 2500 \end{array}$	16. Write three thousand, thirty - three in figures. $\begin{array}{r} \text{three thousand} - 3000 \\ \text{thirty three} \quad + 33 \\ \hline 3033 \\ \hline \therefore \text{Three thousand thirty three} - 3033 \end{array}$
17.	Rhomio had 15 chalkboard rulers. He gave out 8 to teachers. How many chalkboard rulers did he remain with? $\begin{array}{r} 15 \text{ chalkboard rulers.} \\ - 8 \text{ Chalkboard rulers.} \\ \hline 07 \text{ chalkboard rulers.} \end{array}$	
18.	Moureen weighs 30kg. Margret weighs 23kg. What is their total mass? $\begin{array}{r} 30 \quad 3 \quad 0 \text{ kg} \\ + 2 \quad 3 \text{ kg.} \\ \hline 53 \text{ kg.} \end{array}$	

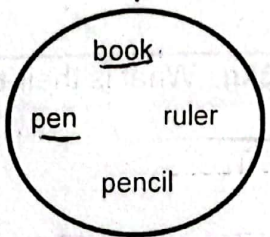


19. Given that  represents 7 fish, how many fish are represented by  ?
 $\text{fish icon} = 7 \text{ fish}$
 $3 \text{ fish icons} = (7 \times 3) \text{ fish}$
 $= 21 \text{ fish}$
20. How many centimetres are in 5 metres?
 $1 \text{ metre} = 100 \text{ cm}$
 $5 \text{ metres} = (5 \times 100) \text{ cm}$
 $= 500 \text{ cm}$

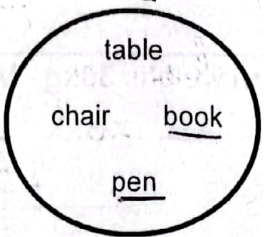
SECTION B: 60 MARKS

Marks for each part of the question are indicated in the brackets.

- 21.a) Draw a cube  (02 Marks)
- (b) Name these shapes.
- | | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
| Square | Triangle |
- (02 Marks)
22. Study the sets below and answer the questions that follow.
- P



Q


- (a) List elements in set P and Q.
 $P \cup Q = \{ \text{book, pen, ruler, pencil, table, chair} \}$ (02 Marks)



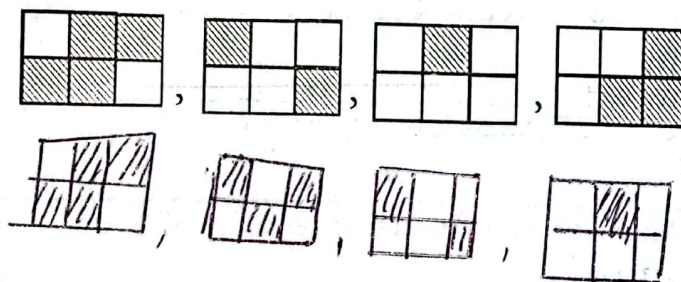
(b) How many elements are in set P? <u>Set P = { }</u> <u>$n(P) = 4$ elements.</u> (02 Marks)	(c) List elements which are common in sets P and Q. <u>$P \cap Q = \{ \text{book, pen} \}$.</u> (02 Marks)
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23. The table below shows the price list in Jenina's shop. Use it to answer the questions that follow.

1kg of sugar	Sh. 4,500
1 kg of rice	Sh. 5,000
1 kg of maize flour	Sh. 2,000
1 kg of salt	Sh. 1,000


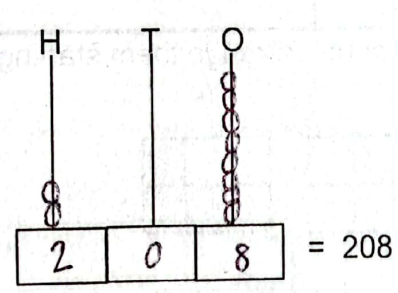
(a) Write the cost of 1kg of rice in words. <u>Five thousand shillings.</u> (02 Marks)	(b) How much will one pay for salt and sugar? <u>1kg salt — Sh. 1,000</u> <u>1kg of sugar — Sh. 4,500</u> <u>Sh. 5,500</u> (02 Marks)
(c) What is the cheapest item in Jenina's shop? <u>1kg of salt.</u> (01 Mark)	

24.a) Below are boxes with shaded parts. Arrange them starting with the smallest.

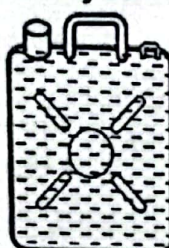



(b) Amos had $\frac{4}{5}$ of the sugarcane. He ate $\frac{1}{5}$. What fraction of the sugarcane did he remain with? $\frac{4}{5} - \frac{1}{5} = \frac{4-1}{5}$ $= \frac{3}{5}$ (02 Marks)



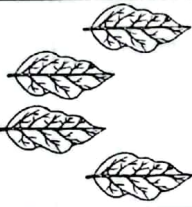

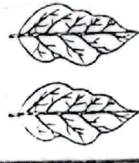



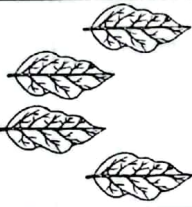

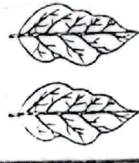


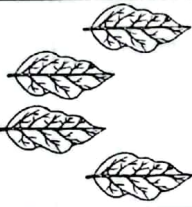

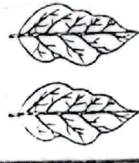

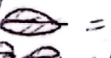
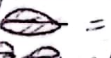


<p>25.a) Work out:</p> $\begin{array}{r} 4786 \\ - 2039 \\ \hline 2747 \end{array}$ <p>(02 Marks)</p>	<p>(b) Divide:</p> $\begin{array}{r} 19 \\ 5 \overline{) 95} \\ \underline{5} \\ 45 \\ \underline{45} \\ 00 \end{array}$ <p>(02 Marks)</p>
<p>(c) Tom had 569 eggs on Monday. More 231 eggs were brought to him on Tuesday. How many eggs did he have altogether?</p> <p>Monday 569 Tuesday + 231 <u>800 eggs.</u></p> <p>(02 Marks)</p>	
<p>26.a) Tell the time shown by the clock hands.</p>  <p>9:30 O'clock - or. A half past nine O'clock.</p> <p>(02 Marks)</p>	<p>(b) How many weeks are in 21 days?</p> <p>1 Week = 7 days. 1 day = $\frac{1}{7}$ Weeks. 21 days = $(\frac{1}{7} \times 21)$ Weeks. <u>= 3 Weeks.</u></p> <p>(02 Marks)</p>
<p>27.a) Complete the abacus below.</p>  <p>(02 Marks)</p>	
<p>(b) What number has been expanded to give $300 + 3$?</p> $\begin{array}{r} 300 \\ + 3 \\ \hline 303 \end{array}$ <p>(02 Marks)</p>	



28.	Below are jerrycans A and B filled with water. Use them to answer the questions that follow.	
	<div style="text-align: center;">Jerrycan A  20 litres</div>	<div style="text-align: center;">Jerrycan B  15 litres</div>
(a)	Which jerrycan holds less water? <u>Jerry can B</u>	
(02 Marks)		
(b)	How many litres will jerrycan A hold more than jerrycan B? $\begin{array}{r} 20 \text{ litres} \\ - 15 \text{ litres} \\ \hline 5 \text{ litres} \end{array}$	(c) How many litres are in both jerrycans? $\begin{array}{r} \text{Jerry can A } 20 \text{ litres} \\ \text{Jerry can B } + 15 \text{ litres} \\ \hline 35 \text{ litres} \end{array}$
(02 Marks)		
29.a)	Fill in the missing number. $\begin{array}{r} \square \div 7 = 3 \\ \square \div 7 = 7 \times 3 \\ \square = 21 \end{array}$	(b) Find the missing number. $\begin{array}{r} \square - 5 = 11 \\ \square - 5 + 5 = 11 + 5 \\ \square - 0 = 16 \\ \square = 16 \end{array}$
(02 Marks)		
(c)	I had 112 mangoes. If I gave 12 mangoes to Mary, how many mangoes did I remain with? $\begin{array}{r} 112 \text{ mangoes} \\ - 12 \text{ mangoes} \\ \hline 100 \text{ mangoes} \end{array}$	
(02 Marks)		
30.a)	Fill in the missing numbers: $110, 210, 310, 410, 510, 610$ $\begin{array}{cccccc} & \swarrow & \searrow & \swarrow & \searrow & \swarrow \\ +100 & & +100 & & +100 & & +100 \end{array}$	
(02 Marks)		



(b)	600, 500, 400, 300, <u>400</u> , <u>600</u> $+100$ $+100$ $+100$ $+100$ $+100$		(02 Marks)										
31.a)	Write 819 in words. $819 = \begin{array}{ c c c } \hline H & T & O \\ \hline 8 & 1 & 9 \\ \hline \end{array}$ $800 \rightarrow$ Eight hundred $+19 \rightarrow$ nineteen. <u>819</u> \rightarrow Eight hundred nineteen (02 Marks)	(b)	Find the value of 8 in 819. $819 = \begin{array}{ c c c } \hline H & T & O \\ \hline 8 & 1 & 9 \\ \hline \end{array}$ 8×100 <u>$= 800$</u> (01 Mark)										
(c)	Expand 819 using values. $819 = \begin{array}{ c c c } \hline H & T & O \\ \hline 8 & 1 & 9 \\ \hline \end{array}$ $(8 \times 100) + (1 \times 10) + (9 \times 1)$ <u>$800 + 10 + 9$</u> (02 Marks)												
32.	The pictures below shows 5 children who picked leaves in their school compound. Study them and answer the questions that follow. <table border="1" style="width: 100%; text-align: center;"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Doreen</td> <td>Agnes</td> <td>Dorothy</td> <td>Diana</td> <td>Ellon</td> </tr> </table>  = 5 leaves								Doreen	Agnes	Dorothy	Diana	Ellon
													
Doreen	Agnes	Dorothy	Diana	Ellon									
(a)	Who picked the least number of leaves? Diana (02 Marks)												
(b)	How many leaves did Doreen pick? Doreen picked 3 leaves.  = 5 leaves. $3 \times 5 = (3 \times 5)$ leaves. <u>$= 15$ leaves.</u> (02 Marks)												
(c)	How many leaves did Agnes and Ellon pick altogether ? Agnes \rightarrow 2 leaves.  = 5 leaves. $2 \times 5 = (2 \times 5)$ leaves. <u>$= 10$ leaves.</u> Ellon \rightarrow 2 leaves.  = 5 leaves. $2 \times 5 = (2 \times 5)$ leaves. <u>$= 10$ leaves.</u> Agnes \rightarrow 10 leaves Ellon \rightarrow + 10 leaves <u>20 leaves.</u> (02 Marks)												

