

THE SIPRO MID-TERM I EXAMINATIONS - 2024

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

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- 1.
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"

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Total		

Please turn over



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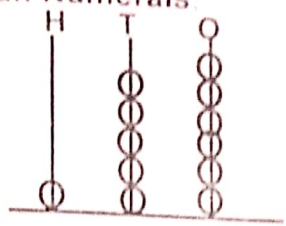
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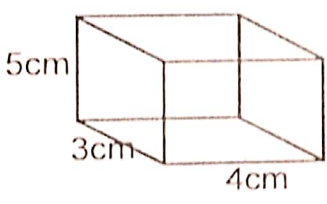
<p>9. Circle the odd numbers from the list below: 36, 20, 18, 19, 4, 5</p>	<p>10. Use a protractor, a ruler and a pencil to draw an angle of 100°.</p>
<p>11. Find the missing number. $\square \div 5 = 10$</p>	<p>12. Given the venn diagram below;</p> <div data-bbox="861 627 1181 896"> </div> <p>Find MUN.</p>
<p>13. If  = 105 glasses, how many glasses are in ?</p>	<p>14. What is the area of a square garden of side 12m?</p>
<p>5. I think of a number, when I multiply it by 8, my answer is 56. What is the number I thought of?</p>	<p>16. Describe the shaded region.</p> <div data-bbox="861 1523 1212 1814"> </div>

17.	Write the number on the abacus in Roman Numerals. 	18.	Add: $\frac{8}{12} + \frac{1}{12}$										
19.	How many five hundred shillings coins are in a five thousand shilling note?	20.	Work out: <table><tr><td>Hours</td><td>min</td></tr><tr><td>2</td><td>45</td></tr><tr><td>+3</td><td>30</td></tr><tr><td colspan="2"><hr/></td></tr><tr><td colspan="2"><hr/></td></tr></table>	Hours	min	2	45	+3	30	<hr/>		<hr/>	
Hours	min												
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SECTION B: 60 MARKS

Attempt **all** questions in this section.

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

21.	Given the figure below;  <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div> <p>(a) Name the figure. (01 mark)</p> <hr style="width: 80%; margin-left: 0;"/> </div> </div> <p>b) The figure has;</p> <div style="display: flex; justify-content: space-between;"> <p>i) _____ faces (01 mark)</p> <p>ii) _____ edges. (01 mark)</p> </div> <p>c) Find the volume of the figure above. (02 marks)</p>
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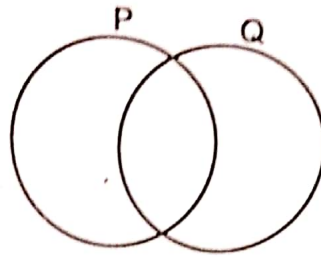
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Set $P = \{a, b, c, d, e, f, g, h, i\}$

$Q = \{a, e, i, o, u\}$

- a) Represent the information on the venn diagram below.

(03 marks)



Find;

- b) i) $P \cap Q$ (01 mark)

(ii) $Q - P$

(01 mark)

23.

Use the digits 7, 8 and 4;

- a) Form the **largest** three digit number that can be formed from the digits. (02 marks)

- b) Represent the largest number above on the **abacus**.

(01 mark)

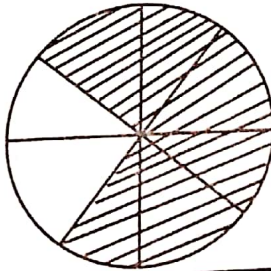
- c) Expand the largest number formed above in (a).

(02 marks)



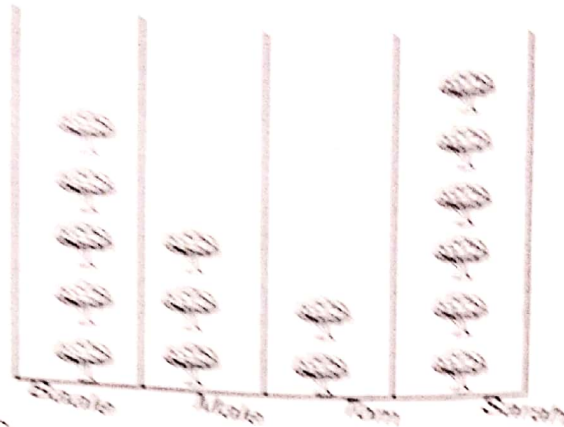
24. A woman visited a shop that had the **price list** below:
- 1 kg of sugar at **sh.6000**
 A bar of soap at **sh.5500**
 A book at **sh. 2500**
 A packet of salt **sh.1000**
- a) Which is the most **expensive** item? (01 mark)
- b) How much will one pay for **2** bars of soap and a **packet** of salt? (02 marks)
- c) If she went with a **20,000** shilling note and bought all the items, what was her change? (02 marks)

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|---|---|------|---|---|-----|---|-------|--|-------|--|--|
| <p>25. a) Find the difference between 7043 and 4998. (02 marks)</p> | <p>b) On a poultry farm, there are 500 layers. If each bird lays an egg a day. How many eggs will the farmer have in 30 days? (02 marks)</p> | | | | | | | | | | |
| <p>26. a) Subtract:</p> <table> <tr> <td>weeks</td> <td>days</td> </tr> <tr> <td>7</td> <td>4</td> </tr> <tr> <td>- 4</td> <td>6</td> </tr> <tr> <td colspan="2"><hr/></td> </tr> <tr> <td colspan="2"><hr/></td> </tr> </table> <p>(02 marks)</p> | weeks | days | 7 | 4 | - 4 | 6 | <hr/> | | <hr/> | | <p>b) Convert 360 days to months if each month has 30 days. (02 marks)</p> |
| weeks | days | | | | | | | | | | |
| 7 | 4 | | | | | | | | | | |
| - 4 | 6 | | | | | | | | | | |
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27. a) Subtract: $2\frac{1}{4} - 1\frac{1}{3}$ (03 marks)	b) Change $9\frac{1}{2}$ to an improper fraction. (02 marks)
28. a) List the even numbers between 20 and 31. (02 marks)	b) Complete the sequence below: 3455, 3465, _____, 3485, _____ (02 marks)
29. A son is 24 years younger than the father. If the son's age is 6 years. a) How old was the father by the time he bore the son? (02 marks)	
b) How old will the son be after 5 years from now? (02 marks)	c) Calculate their total age now. (02 marks)
30. a) Arrange the following fractions in ascending order. $\frac{6}{7}, \frac{4}{7}, \frac{1}{7}, \frac{7}{7}, \frac{5}{7}$ (02marks)	b) What is the shaded fraction? (02marks) 
c) Write > , < or = to complete the statement. $\frac{1}{2}$ _____ $\frac{1}{4}$	

31.

The graph below shows farmers who planted trees. Study and use it to answer the questions that follow.



If = 100 trees.

- How many trees were planted by Baale? (01 mark)
- How many more trees were planted by Sarah than Male? (02 marks)
- Who planted the least number of trees? (01 mark)

32.a)

Construct a rectangle ABCD where $AB = 6\text{cm}$, $BC = 4\text{cm}$ using a ruler, a pencil and a pair of compasses. (04 marks)

- Measure diagonal AC. (01 mark)



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