

THE SIPRO MID - TERM II EXAMINATIONS 2024

SUBJECT : MATHEMATICS
CLASS : PRIMARY SIX
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 | | |
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| Page 4 | | |
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| Total | | |

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THE SIPRO EDUCATIONAL SERVICES LIMITED - KAMPALA

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SEMAS

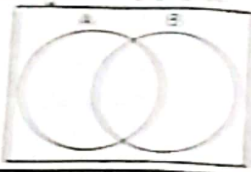
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SECTION: 40 MARKS
 Attempt all questions in this section.
 Questions 1 to 10 carry two marks each.

1.

Shade set A on the venn diagram below.



2.

Write 4,725 in words.

3.

Given 13, 15, 16, 17 and 19, find the square of the even number in the above list.

4.

Tell the morning time on the clock face below.



5.

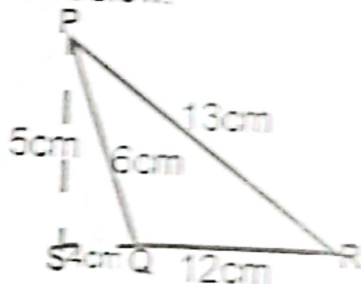
Write the algebraic expression for:
 Add two to the product of b and four.

6.

Magezi bought 5 bottles of soda of 2 litres at sh. 22,500. Work out the cost of one bottle of soda.

7.

Calculate the area of the triangle PQR below.



8.

Ochen sold a dozen of cups at sh. 4,000 each cup making a profit of sh. 12,000. Find the cost price of a dozen of cups.

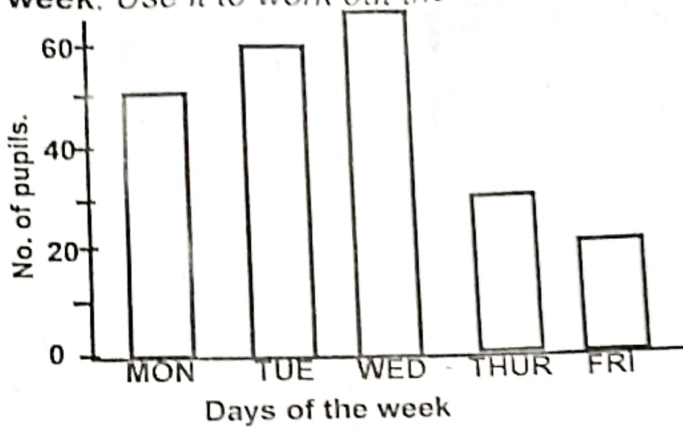
Show -4 on the number line below.



10.

$\frac{1}{4}$ of the pupils in a class are boys and the rest are girls. Express the fraction of girls as a percentage.



| 11. | Jayden was facing East, he turns clockwise an angle of 135° . Find his new direction. | | | | | | | | | | | | |
|------------------|---|------------------|----------------|-----|----|-----|----|-----|----|------|----|-----|----|
| 12. | <p>The bar graph below shows the number of pupils who are absent in a week. Use it to work out the scale of the graph.</p>  <table><thead><tr><th>Days of the week</th><th>No. of pupils.</th></tr></thead><tbody><tr><td>MON</td><td>50</td></tr><tr><td>TUE</td><td>60</td></tr><tr><td>WED</td><td>70</td></tr><tr><td>THUR</td><td>30</td></tr><tr><td>FRI</td><td>20</td></tr></tbody></table> | Days of the week | No. of pupils. | MON | 50 | TUE | 60 | WED | 70 | THUR | 30 | FRI | 20 |
| Days of the week | No. of pupils. | | | | | | | | | | | | |
| MON | 50 | | | | | | | | | | | | |
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| THUR | 30 | | | | | | | | | | | | |
| FRI | 20 | | | | | | | | | | | | |
| 13. | Find the product of 124 and 12. | | | | | | | | | | | | |
| 14. | Aguti was born in 2000. Write her age now in Roman numerals. | | | | | | | | | | | | |
| 15. | Given that set $W = \{a, e, i, o, 2\}$. How many subsets are in set W? | | | | | | | | | | | | |
| 16. | At Omuriana Primary School, a mid-term examination started at 9:00a.m and lasted for 2 hours. At what time did it end? | | | | | | | | | | | | |



17. Convert 2500ml to litres.

18. Use $\frac{n(n+1)}{2}$ to find the 15th triangular number.

19. Use either $<$ or $>$ to complete the statement below:
 $-4 + +9$ ____ $+3 + +1$

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

SECTION B: 60 MARKS

Attempt all questions in this section.

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

21. Amwine went shopping with 3 notes of ten thousand shillings and bought the following items:
3 kg of sugar at sh. 4,000 each kg.
4 kg of beans at sh 3,000 per kg.
 $1\frac{1}{2}$ kg of maize flour at sh 3,000.

a) Find his total expenditure.

(04 Marks)

b) Calculate his change.

(02 Marks)



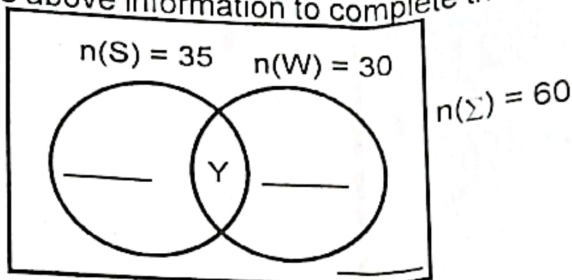
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P.6 MATHEMATICS MID - TERM II EXAMINATIONS - 2024

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

22

In a school meeting attended by 60 teachers, 35 teachers took soda (S), 30 took water (W), Y took both drinks while 5 took none of the drinks. (03 Marks)

- a) Use the above information to complete the venn diagram below. (03 Marks)



- b) How many teachers took only one drink?

(03 marks)

- 23 a) With the help of a ruler, a sharp pencil and a protractor, **construct** a quadrilateral ABCD where $AB = CD = 7\text{cm}$ and $AD = BC = 4\text{cm}$. (04 marks)

- b) Measure diagonal AC.

(01mark)

- 24.a) **Simplify:** $2a + 3a + a$ (02 marks)

b)

Mugema is 5 years older than Owere. If their **total** age is 55 years; How old is Mugema?

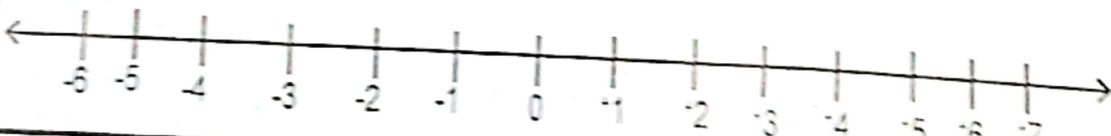
(03 mark)



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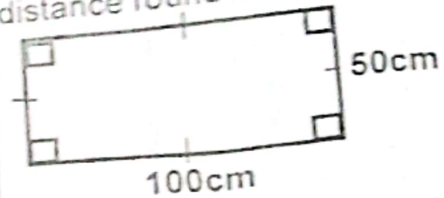
| | | |
|--|---|---|
| 25 | Dominic started his journey from Hoima at 6:30a.m driving at a speed of 40km/h and reached Kampala at 11:30a.m. a) How long did he travel? (02 marks) | b) Work out the distance from Hoima to Kampala. (02 marks) |
| 26a) | Change 13 to base five. (02 marks) | b) Work out: $123_{\text{five}} + 32_{\text{five}}$ (02 marks) |
| 27.a) | Arrange 4, -3, -8, 0 and 2 in ascending order. (02 marks) | |
| b) | Add $-3 + -7$ using the number line below. (03 marks) | |
|  | | |
| 8 | The sum of 3 consecutive odd numbers is 93; a) Find the numbers. (04 marks) | b) Work out their average. (02 marks) |

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P.6 MATHEMATICS

29a) Convert 1500 grams to kilograms. (02 marks)

b) Below is a rectangular flower garden. Use it to calculate the distance round it. (02 marks)

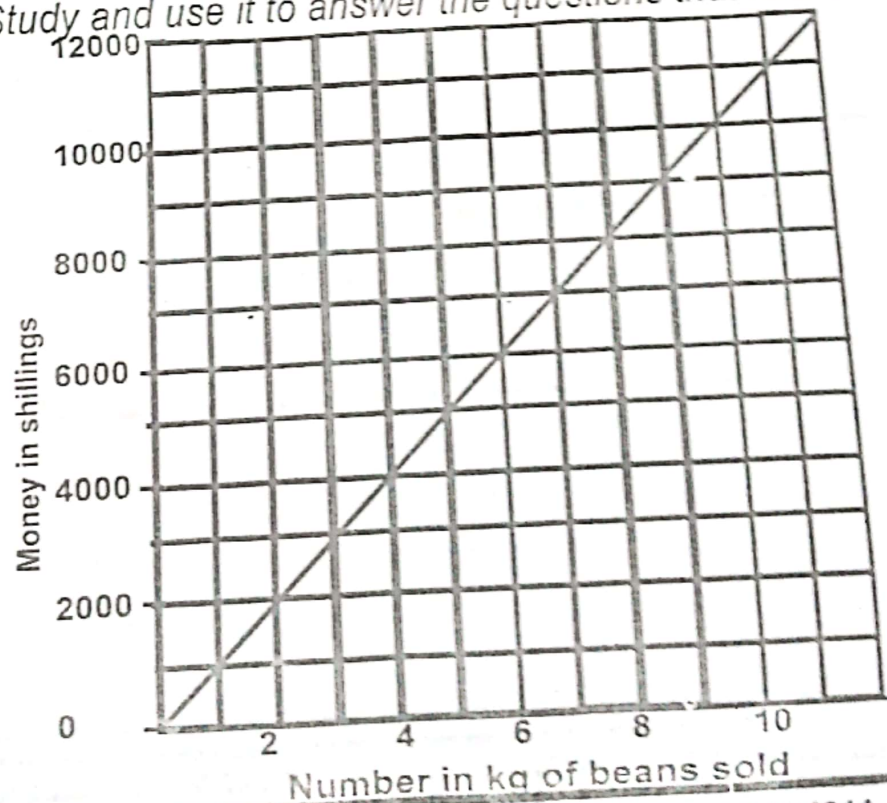


30 A father, a mother and a son contributed sh. 72,000 to pay school fees of the daughter in the ratio of 4:3:2 respectively. (03 marks)

a) Work out the amount each contributed.

b) How much more did the father contribute than the son? (02 marks)

31. The graph below shows amount of money and kg of beans sold on Monday. Study and use it to answer the questions that follow.



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| | | | |
|------|---|----|---|
| a) | Find the cost of 1 kilogram of beans. (02 marks) | b) | How many kilograms were bought at sh. 9,000? (01 mark) |
| c) | Musa had a ten thousand shilling note and bought 6kg of beans. Find his change . (02 marks) | d) | Jokas bought 7kg at first and went back and bought 8kg. Calculate the amount he spent altogether. (02 marks) |
| 32a) | Write the number on the abacus below in words. (02 marks) | b) | Expand 4678 using powers of ten. (02 marks) |
| c) | Write the place value of 7 in 6,723. (01 mark) | | |

