THE SIPRO MID - TERM II EXAMINATIONS 2024

SUBJECT : MATHEMATICS
CLASS : PRIMARY FIVE
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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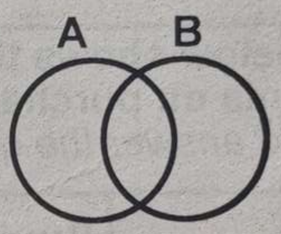
SECTION A: 40 MARKS

Attempt **all** *questions in this section.*

Questions **1** to **20** *carry* **two** *marks each.*

1.	Write the digit in the place value of **thousands** in 4,593.	2.	Find the missing number in the box below. ☐ ÷ 2 = 9
3.	Draw **tallies** to represent 7 balls.	4.	**Work out:** 17 - 6
5.	Change **5 litres** to millilitres.	6.	Given that set D = {4, 7, 8, 12, 13}. Form an **equivalent** set M to set D.
7.	Given that M = 4 and N = 6 Find the value of **MN**.	8.	Find the **sum** of the number of days in the months of May, July and August.
9.	How **many** coins of sh. 500 can be got from a note of **ten thousand** shillings?	10.	List all the **factors** of 12.

11.	Draw a trapezium in the space below.	12.	Find the number of months in 4 years.
13.	Using a ruler, a protractor and a sharp pencil, **draw** an angle of 90^0.	14	**Complete** the **addition below.** 4 7 3 + 1 □ 9 6 0 2
15.	Mr. Wabwose bought a motorcycle at sh. 4,500,000 and later sold it to Mr. Kyewalabye at sh. 4,200,000. Work out the loss Mr. Wabwose made.	16.	Shade (B - A) on the figure below 
17.	**Add:** kg g 17 406 + 4 394	18.	Find the whole number that is expanded to give; 5 thousands + 3 hundreds + 9 ones.
19.	Given that ⚽ = 5 balls. **Draw** pictos to represent 30 balls.	20.	**Multiply**: $\frac{4}{5} \times \frac{1}{3}$

SECTION B: 60 MARKS

Attempt **all** *questions in this section.*
Marks for **each part** *of the question are* **indicated** *in the brackets.*

21.a) **Fill** in the missing number: ☐ x 3 = 12 *(02 marks)*

b) Naava had some sweets. She gave 7 sweets to her friend Raudha and remained with 13 sweets. How **many** sweets was she having at first?
(03 marks)

22. **The table below shows the transactions that were made by Mr. Balintuma on purchases and sales of some articles.** *Study it carefully and answer the questions that follow.*

Article	Buying price	Selling price
Radio	sh. 55,000	sh. 62,000
Watch	_____	sh. 60,000
Pocket wifi	sh. 50,000	sh. 47,000

a) Find the **loss** Mr. Balintuma made on selling a pocket wifi. *(02 marks)*

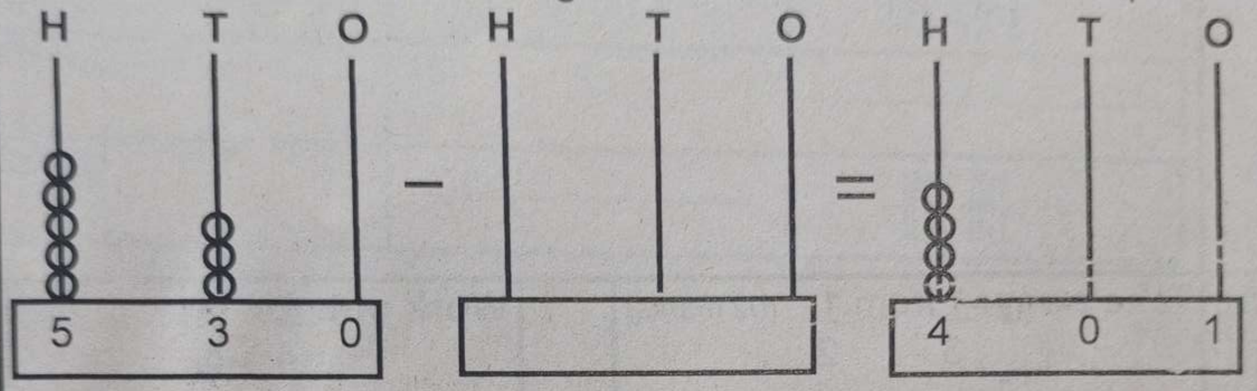
b) If he made a profit of sh. 12,000 on **selling** a watch, what was the buying price of the watch?
(02 marks)

c) How much money did he get as **profit** from the sales of all articles on the table above?
(02 marks)

23 a) List all **multiples** of 7 less than 50. *(02 marks)*

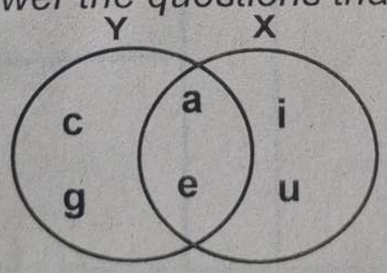
b) Find the next number in the **sequence**; *(02 marks)*
1, 3, 6, 10, 15, _____

24. a) Complete the subtraction using the abacus below. *(04 marks)*



b) **Expand** 530 using values. *(02 marks)*

25. The venn diagram below shows elements in set **X** and set **Y**. *Study it carefully and answer the questions that follow.* *(01 mark)*



a) List the elements in set; **X**.
set **X** = { }

b) List the **elements** of (X - Y). *(01mark)*

c) Find **n(X U Y)** *(02 marks)*

26 a) **Work out**: 4 7 2 *(02 marks)*
+ 1 9 9

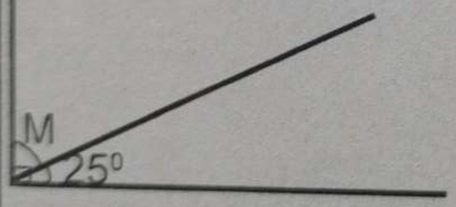
b) Find the **product** of 35 and 11. *(02 marks)*

27 a) **Evaluate**: $\frac{2}{5} + \frac{1}{2}$ *(02 marks)*

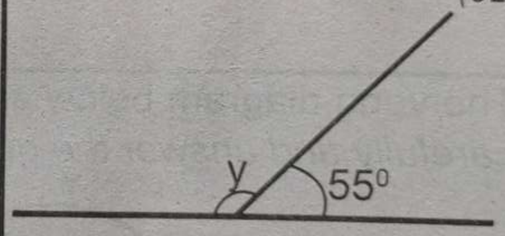
b) **Take away**; $\frac{1}{3}$ from $\frac{1}{2}$ *(02 marks)*

Work out: $\frac{1}{4} \div \frac{3}{8}$ *(02 marks)*

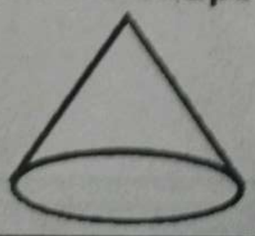
28 a) Find the **value** of the unknowns below. *(02 marks)*



b) *(02 marks)*



c) Name the **shape** drawn below. *(02 marks)*



29. **The table below shows the number and tallies of absentees in a P.5 class in a certain week**. *Complete it correctly.* *(04 marks)*

Day	Number	Tally
Monday	14	𝍸 𝍸 𝍸
Tuesday	7	_____
Wednesday	_____	𝍸 𝍸 |
Thursday	15	_____
Friday	_____	𝍸 𝍸

30. With the help of a ruler, a pencil and a pair of compasses only, construct a square in a circle of radius 4cm. *(04 marks)*

31.a) **Work out:**

weeks	days
4	6
+ 1	2

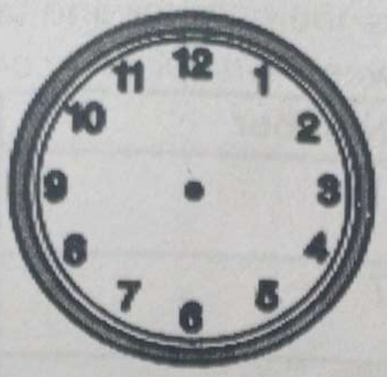
(02 marks)

b)

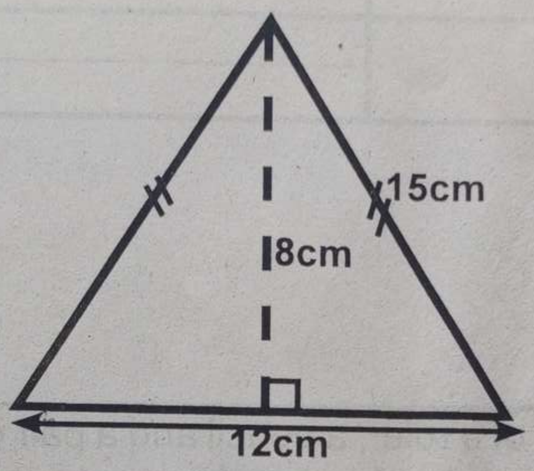
Hours		Minutes
15	:	20
-10	:	30

(02 marks)

c) Show a quarter to four o'clock on the clock face below. *(02 marks)*



32. **The diagram below shows a type of triangle.** *Study and use it to answer the questions that follow.*



a) Name the **triangle** drawn above. *(01 mark)*

_____

b) Calculate the total **distance** round the figure drawn above. *(02 marks)*

c) Find the **area** of the above triangle. *(02 marks)*

THE SIPRO PRIMARY FIVE MATHEMATICS MID-TERM II MARKING GUIDE - 2024

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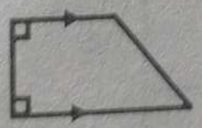
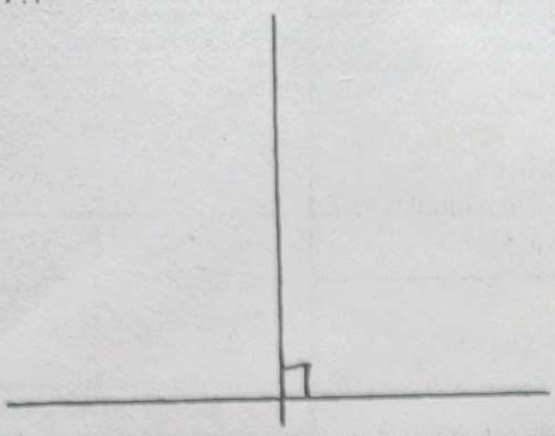
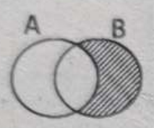
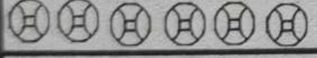
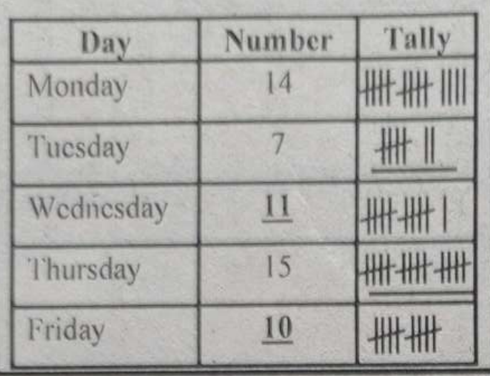
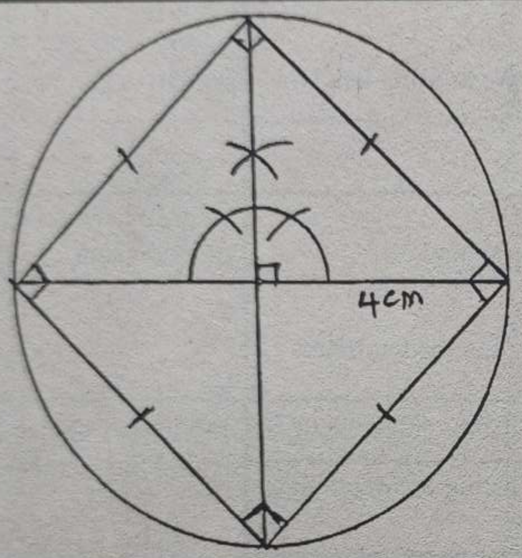
No	Level	Solution	MKS	Reason	Technical advice
1.	P.5	TTh H T O 4 5 9 3 ↓ digit 4	B_2	For identifying the digit.	Review place values and values of whole numbers.
2.	P.3	18 ÷ 2 = 9 □ x 2 = 9 x 2 2 □ = 18	M_1 A_1	For the working For 18	Give practice to algebraic questions involving all mathematical signs.
3.	P.4	𝍸 ||	B_2	On sight	Emphasise use of a pencil when drawing.
4.	P.2	1 7 - 6 1 1	B_2	On sight	For the difference.
5.	P.4	KL HL DL L DL CL ML 1 0 0 0 1 litre = 1000ml 5 litres = (5 x 1000) ml = 5000ml	M_1 A_1	For the method For 5000 ml	Review conversion of different units.
6.	P.4	D = { 4, 7, 8, 12, 5 } M = { a, b, c, d, e }	B_2	For set M equivalent to set D.	Help learners to form different equivalent and equal sets.
7	P.3	MN = M x N = 4 x 4 = 24	M_1 A_1	For the method For the answer	Make a review on simple substitution and equations.
8.	P.3	May - 31 July - 31 August - +31 93 days	M_1 A_1	For identifying the days For the sum	Expose learners to some songs that have the concept of days and months.
9.	P.3	sh. 10,000 sh. 500 (sh 10,000 / sh 500) coins = 20 coins	M_1 A_1	For the method For the coins	Apply multiplication, addition and division of related questions.
10	P.4	12 ÷ 1 = 12 12 ÷ 2 = 6 12 ÷ 3 = 4 F_{12} { 1, 2, 3, 4, 6, 12}	M_1 A_1	For the method For correct factors of 12.	Make enough practice on using factors and multiples.
11	P.5		B_2	On sight	Make a review on naming and drawing all plane and solid shapes.
12	P.4	1 year = 12 months 4 years = (12x4) months = 48 months	M_1 A_1	Accept other methods. For 48 months	Expose learners to division and multiplication when converting months to years and vice-versa.

13	P.4		B_2	For the angle	Make a review on drawing and construction of base angles.
14	P.3	4 7 3 + 1 2 9 **6 0 2**	M_1 M_1	For the method For filling in 2.	Expose learners to mental work.
15	P.4	sh. 4,500,000 - sh. 4,200,000 **sh. 300,000**	M_1 A_1	For subtracting Correct difference with units.	Revisit finding profit, B.P, S.P, etc.
16	P.5	 B - A	B_2	On sight	Make a review on set description.
17	P.3	**kg g** 1 7 4 0 6 + 4 3 9 4 2 1 8 0 0	B_2	On sight	Operate and regroup length, mass and capacity.
18	P.4	5 thousands + 3 hundreds + 9 ones (5 x 1000) + (3 x 100) + (9 x 1) 5000 300 + 9 **5309**	M_1 A_1	For the working For 5309	Encourage learners to arrange vertically following place values.
19	P.5	1 ball rep 5 balls 30 balls rep 30 ÷ 5 = 6 balls 	M_1 A_1	For division For the answer	Emphasize the concept of division.
20	P.2	$\frac{4}{5} \times \frac{5}{3} = \frac{4}{15}$	B_2	For the answer	Revisit operation of fractions.
21	P.3 a)	□ x 3 = 12 □ = 12 ÷ 3 □ = 4	M_1 A_1	For the working For 4	Help learners to identify the opposites of operation.
	b)	□ - 7 = 13 □ - 7 +7 = 13 + 7 □ = 20 sweets	M_1 A_1	For the method For 20 sweets	
22	P.4 a)	sh. 50,000 - sh . 47,000 sh. 3000	M_1 A_1	For subtracting For sh. 3,000	Emphasise the use of current units.
	b)	sh. 60,000 - sh . 12,000 sh. 48,000	M_1 A_1	For subtracting For sh. 48,000	
	c)	sh. 62,000 - sh. 55,000 sh. 7000 (sh. 12,000 + sh. 7000) - sh. 3000 sh. 19,000 - sh. 3000 = **sh. 16,000**	A_1 B_1	For profit on radio. For total profit gained after removing the loss.	

23	P.4 a)	$7 \times 1 = 7$ $7 \times 2 = 14$ $7 \times 3 = 21$ $7 \times 4 = 28$ $7 \times 5 = 35$ $7 \times 6 = 42$ $7 \times 7 = 49$ $7 \times 9 = 56$ $M_7 = \{7, 14, 21, 28, 35, 43, 49\}$	M_1 A_1	For finding the multiples of 7. For listing multiples of 7 less than 50	Recite multiplication tables on individual basis.
	b)	1, 3, 6, 10, 15, 21 +2 +3 +4 +5 +6 $15 + 6 = 21$	B_1 B_1	For the pattern For 21.	
24	P.5 a)	5 3 0 - 4 0 1 1 2 9 H T O H T O H T O 5 3 0 1 2 9 4 0 1	B_1 B_1 B_1 B_1	For subtracting For 129 For beads of 129 For the missing bead on 401.	Help learners on how to operate using beads on abacus.
	b)	530 H: 5, T: 3, O: 0 $(5 \times 100) + (3 \times 10) + (0 \times 1)$ $500 + 30 + 0$	M_1 A_1	For the method For expanded number.	Expose learners to all forms of expansion.
25	P.5 (a)	$X = \{a, e, i, u\}$	B_1	For listing elements in X	Emphasise the commas when listing the members.
	b)	$(X - Y) = \{i, u\}$	B_1	For listing members in X-Y.	
	c)	$n(X \cup Y) = 4$	B_2	For $n(X \cup Y)$	
26	P.3 a)	4 7 2 + 1 9 9 6 7 1	B_2	For the sum	Operate and regroup where applicable.
	b)	3 5 x 11 3 5 x 1 1 3 5 + 3 5 3 8 5	M_1 A_1	For the working For 385	
27	P.5 a)	$\frac{2}{5} + \frac{1}{2}$ $\frac{(2 \times 2) + (5 \times 1)}{10}$ $\frac{4 + 5}{10}$ $\frac{9}{10}$	M_1 A_1	For L.C.D For $\frac{9}{10}$	Operate fractions correctly and apply where necessary.
	b)	$\frac{1}{2} - \frac{1}{3} = \frac{(3 \times 1) - (2 \times 1)}{6}$ $= \frac{3 - 2}{6}$ $= \frac{1}{6}$	M_1 A_1	For the working For the correct difference.	
	c)	$1 : \frac{3}{4}$ $\frac{1}{4} \times \frac{8^2}{3}$ $= \frac{2}{3}$	M_1 A_1	For the working For 64	

28	P.4 a)	$m + 25^0 = 90^0$ $m + 25 - 25 = 90^0 - 25^0$ $m = 65^0$	M_1 A_1	For forming the question For the answer	Emphasise use of units i.e. (degrees)
	b)	$\square + 55^0 = 180^0$ $\square + 55^0 - 55^0 = 180^0 - 55^0$ $\square = 125^0$	M_1 A_1	Forming the question For $\square = 125$	
	c)	Cone	B_1	For naming the cone	
29	P.5		B_1 B_1 B_1 B_1	For each correct entry.	Tallies should be drawn using a pencil and whole filling numbers should be done in pen (ink).
30	P.5		S_1 C_1 C_1 J_1	For the 90^0 For the circle For the arcs For joining	Emphasise neatness and accuracy.
31	P.4 a)	Wks Days 4 6 + 1 2 $8 \div 7$ 6 1 $= 1 r 1$	B_2	On sight	Revisit operation of time, weeks and days and regroup where applicable.
	b)	Hrs Minutes 4 80 15 : 20 1h = 60 min - 10 : 30 (60 + 20) = 80 min 4 : 50 80 – 30 = 50	M_1 A_1	For the method For the answer	
	c)		B_1 B_1	For the minute hand For the hour hand	
32	P.4(a)	It is Isosceles triangle	B_1	On sight	Make a review on area, perimeter of a plane shapes.
	b)	Perimeter = $S_1 + S_2 + S_3$ (15 + 15 + 12) cm 42cm	M_1 A_1	For the method For the answer	
	c)	Area $\frac{1}{2}$ x base x height 6 $= (\frac{1}{2} \times 12cm \times 8cm)$ 1 = 6cm x 8 cm = 48sq.cm	M_1 A_1	For the method For the answer	