THE SIPRO MID-TERM I EXAMINATIONS 2023

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.
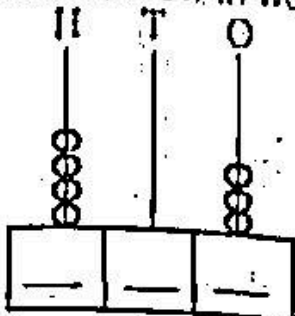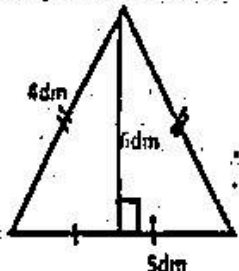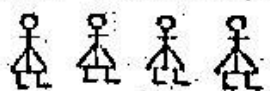
"FOR EXAMINER'S USE ONLY"

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Please turn over

1	Work out: 32×3	2	Write the number shown on the abacus below in words.
3	List down all the factors of 20.	4	Find the equivalent fractions of $\frac{2}{3}$
5	Arrange -2, 0, -1, 3, -4, in ascending order.	6	With the help of a pencil, a ruler and a pair of compasses only, construct an angle $60°$.
7	Solve for m in; $2m - 4 = 2$	8	Work out the total distance round the figure below.
9	Given that ⚇ represents 5 boys. How many boys are represented below. 👤👤👤👤	10	Work out the complement of $20°$.

Find the value of;

i) y

ii) h

(01 mark each

31	With the help of a pencil, a ruler and a pair of compasses only, construct a regular hexagon in a circle of a radius 3cm.
	(03 marks)
b)	Work out the perimeter,
	(02 marks)

32 Doctor Cynthia distributed vaccines in three districts as shown in the table below.Study and use it to answer the questions that follow.

District	Gulu	Mbarara	Mbale
Vaccines	580	139	431

a) How many more vaccines did Gulu get than Mbale?

(01 marks)

b) How many less vaccines did Mbarara get than Gulu?

(02 marks)

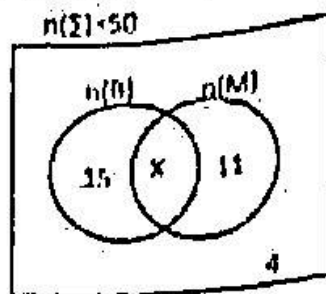c) Find the total number of vaccines distributed to all the three districts.

(02 marks)

a) How many pupils scored above 20marks? (01 marks)	b) How many more marks did Amon score than Joan? (02 marks)
c) Who scored the least mark? (01 marks)	d) Work out their total score. (02 marks)

29a)	Our head teacher left home at 4:20pm and drove for **2hours** covering a distance of 90km up to Kamuli.	b)	At what time did the head teacher arrive in Kamuli?
a)	Calculate the head teacher's speed. (03 marks)		(02 marks)

30 Study the figure below carefully and use it to answer the questions that follow.

a) Calculate its area.

(03marks)

6

26a)	Given that a=2, b=3, and c=4, Work out ; 3ab -2c.	b).	Simplify; k+k+k+h+h
	(02 marks)		(02marks)

27. The venn diagram below shows factors of X and 18. Study it carefully and use it to answer the questions that follow.

a) Find the value of m.

F_{18} F_X

m 2_1 5_1
     3_1

(02 marks)

b)	Find the value of X	c)	Work out the Greatest Common Factor(G.C.F) of 18 and X.
	(02marks)		(01mark)

28 The bar grah below represents the marks scored by pupils in primary six. class in the end of term III exams. Study and use it to answer the questions that follow.

MARKS SCORED

45
30
15
0

TOM   AMON   ALI   JOHN   JOAN

NAMES OF PUPILS

24 The venn diagram below shows the number of pupils who eat beans and meat. *Study and use it to answer the questions that follow.*

$n(\Sigma) = 50$

$n(B)$ $n(M)$

15 x 11

4

a) Find the value of x.

(02 marks)

b) Find the number of pupils who like beans.

(01 mark)

(c) How many pupils like only one kind of foodstuff?

(02 marks)

25a) In a primary six class of 60 pupils, $\frac{1}{3}$ of them are boys and the rest are girls.

i) What is the fraction for the girls?

(02 marks)

ii) How many boys are in the class?

(02 marks)

b) Work out: $\frac{1}{2} - \frac{1}{4}$.

(02 marks)

4

21a) Study and complete the table below.

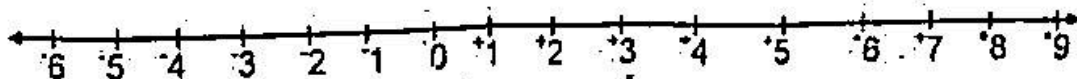| Denomination	Number of notes	Amount
10,000	5	_____
20,000	_____	180,000
_____	60	300,000
50,000	4	_____
Total Amount		_____

(05 marks)

22a) Expand 7436 using powers of ten.

(02 marks)

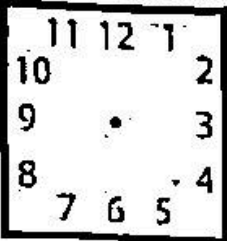b) Find the difference between the value of 4 and place values of 2 in 14,625.

(03marks)

23a) Work out ⁻4 + ⁺6 using the number line below.

(03 marks)

b) Work out the additive inverse of ⁻4.

(02 marks)

11	How many 250g packets of salt will be got from 2kg?	12	Given that H={ a, b, f, k} and M={k, c, a}. Find n(HnM)
13	Show a quarter to 11 O'clock on the clock face below. 11 12 1 10 2 9 • 3 8 4 7 6 5	14	Write "four thousand two hundred thirty-three" in figures.
15	The cost of a pair of blankets is sh 50,000.How much money will Kadondi pay for 6 similar blankets.	16	A mother shared $\frac{1}{4}$ of an orange among her sons. If each son got $\frac{1}{8}$ of the orange , how many sons does she have.
17	Set A={1, 2, 3, 4} and set B={a, b, c, d}. Describe the relationship between sets A and B.	18	A motorist drove at a speed of 30km/h for 30 minutes from his home to Kampala.Calculate the distance the motorist covered.
19	Find the next number in the sequence; 4, 6, 8, 10, _____	20	Sharon is 18years older than Juma. If their total age is 60years, how old is Juma now?