SUPREME SCIENCE ARTS AND PRIMARY TEACHERS ASSOCIATION (SSATAU)

P. 7 PRE- MOCK MATHEMATICS, 2024.

INDEX	X NUMBER					
NAME:						
Sigr	jnature:	MINERY LIGE ON V				
Stre	eam	MINER'S USE ONLY A				
Dot	t o					
Dat	te	В				
	Read the following instructions carefully:	TOTAL				
1.	This paper is made up of section A and B.					
2.	Section A has 20 short answer questions (40 marks).					
3.	Section B has 12 questions (60 marks).					
4. All answers to both section A and B must be written in the spaces provided.5. All answers must be written in blue ink and diagrams should be drawn in pencil.						
7. Unnecessary alteration of work may lead to loss of marks.						
8. No calculators are allowed in the examination room. TEACHER'S COMMENT						
	SIGNATURE					
	Date:					

SECTION A:40 MARKS

Questions 1 to 20 carry two marks each

1.	Add 3 to 2	2.	Write "Four hundred nine" in Roman numerals.
3.	Simplify: 2(a – 4) – 2 (a + 5)	4.	Twelve litres of milk were given to some children. If each child got ¾ of a litre of milk, how many children got milk?
5.	The LCM of two numbers is 60 and their GCF is 3. If one of the numbers is 15, find the second number.	6.	Find the size of angle y in the figure below. 500 7y
7.	Andrew deposited sh.600,000 in the bank that offers an interest rate of 3% per year for 1 ½ years. Find the interest earned by Andrew.	8.	Change 25m/s into km/hr.

9.	A mathematics lesson ended at 1:25pm. If it had lasted for 1 3/4 hours, at what time did the lesson start?	10.	Mr. Digida sold his smart phone at Sh.440,000. Find his buying price if he made a profit of Sh.78,000.
11.	Show 134 _{six} on the abacus.	12.	Increase sh.4000 by 12%.
13.	If today is Thursday, what day of the week was it 33 days ago?	14.	What is the 99 th equivalent fraction of $\frac{2}{5}$?
15.	Find the range of -9 and -5.	16.	Solve: $5 - 3x = 17$
17.	Work out: 5¾ ÷ 2 ¼	18.	Calculate the radius of the circle whose circumference is 88m. (Take as $^{22}/_{7}$)

If 5 men take 4 days to paint the What is the least number which should 19. 20. house, how many more days will 2 be added to 2497 so that the sum is men take to paint the same house? exactly divisible by 5, 6, 4 and 3? SECTION B: (60 MARKS) At a wedding of 45 quests, 30 drink The volume of the figure below is 21. 22. soda(S), 20 quests drink water(W) 0.24litres. Use it to answer the only, k drink both soda and water questions that follow. while 4 guests do not drink any of the h two drinks. a) Complete the Venn diagram below. 5cm (3mks) 8cm n() = 45a) Find the value of h. (2mks) n(S) n(W) b) Find the value of k. (2mks) b) Work out the total surface area of the figure above. (2mks) c) How many guests drink only one drink? (1mk)

23.	The sur	m of the	values	in the	table is the same vertically, horizontally and diagonally.
	Fill in th	ne missin	ig value	es to co	emplete the table. (5mks)
	1	15	14	4	
	12		7	9	
	8	10		5	
			2		
					-
24.					compasses only, construct a triangle PQR in which PQ
	= 80	cm, angl	e PQR	$= 45^{\circ}$ a	and angle QPR = 60 ⁰ . (4mks)

b) Measure the line QR. (1mk)

25. The table below shows the marks scored by pupils in a mathematics test.

Marks scored	80	70	90	60
Number of pupils	2	1	3	4

a) How many pupils sat for the test?

(2mks)

- b) Find the mode score. (1mk)
- c) Work out the mean mark of the pupils who scored above 70 marks. (2mks)

26.	a)	Work out:	0.24 x 1.5
			0.8×0.5

b) Simplify:
$$\frac{1}{3} + \frac{3}{4} \div \frac{5}{6}$$
 (2mks)

27. Mukasa went to the market and bought the items as shown on the table below.

Item	Quantity	Unit price	Total cost
Sugar	2kg	Sh.3,500perkg	Sh
Meat	kg	Sh.8,000per kg	Sh. 24,000
Milk	2 ½ litres	Sh.1,200each litre	Sh
Bread	4 loaves	Sh@loaf	Sh
	Total expend	Sh. 42,000	

Complete the table above. (5mks)

28. a)
$$\frac{2}{3}y - 10 + 2 = 10$$
 (3mks)

b) Juma was 5 years older than his brother Abdul in ten years ago. If their total age is 55 years now, how old is Jamwa now? (2mks)



