# SHEEMA DISTRICT EXAMINATIONS BOARD

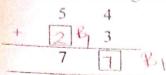
# PRIMARY LEAVING MOCK EXAMINATIONS 2023 MATHEMATICS

## TIME ALLOWED 2 HOURS 30 MINUTES

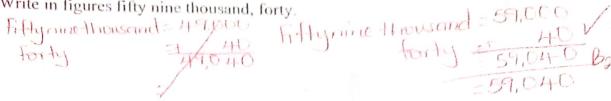
INDEX NO.					
CANDIDATE'S NAME ATTICLE ISSESSES. 8	ACHARA				
CANDIDATE'S SIGNATURE.	2 - 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
SCHOOL NAME WISICAMEN PASSEL	\$ ************************************				
Read the following instructions carefully	FOR EXAMINER'S USE O	NLY			
1. This paper is made up of two sections A & B	QN NO. MARKS EXR'S				
2. Sections A has 20 questions (40 marks)	1-5				
3. Section B has 12 questions (60 marks)	5 - 10				
4. Attempt all questions. All working and	11 - 13				
answers for both sections A and B must be	21 - 22				
	23 - 24				
shown in the space provided. No pieces of	25-26 600				
paper must be provided for rough work.	29-30	4 11 pre-10 19 11			
5. All answers must be written using a blue or	31-32	personal religion			
black ball point pen or ink and Not pencil.	TOTAL 100	and the second second			
Only diagrams should be drawn in pencil.	I with over	and the second			
6. Unnecessary alteration of work will lead to loss of marks					
7. Any handwriting that cannot easily be read may	lead to loss of marks.				
and the state of the box indicated "for	cusminer's the only" and those				
neide the question paper					

#### SECTION A

Fill in the missing numbers



Write in figures fifty nine thousand, forty.



3. Write CXCIX in Hindu Arabic numerals.

4. If a = -2, b = 3, Evaluate  $b^2$ -4a

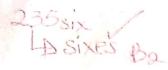
5. If set K = 4 elements, How many subsets are in set K?

The Clock face below shows time in the afternoon 6.



Write the time shown in 24hr clock.

7. Write the place value of 3 in 235 six



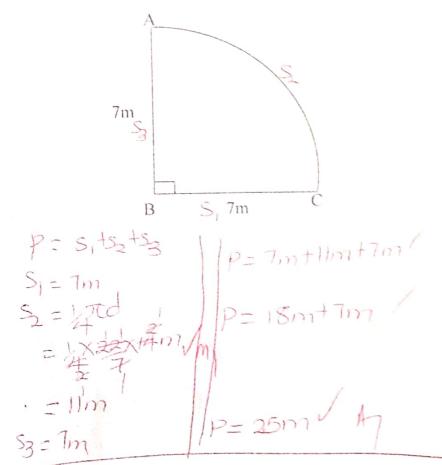
8. A car uses 7 litres of petrol to cover a distance of 28km. How many litres of petrol can it use to cover 64km.

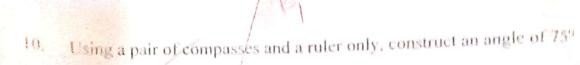
1km needs (18) likes

Otkni needs (18) likes M

= 16 likes A

9. Find the perimeter of the figure below





A15

Given N SOFT P N SOFT

What is the bearing of P from N?

- 90°+90°+50°/

230 by

Find the next number in the sequence.

11 18 121164 1 61

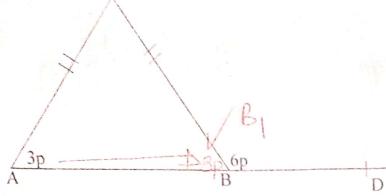
37 +64 TO

12.

By for covered forten

Bisor so on Augeram or





Pha 36 a mars-giller

Find the value of P

14. Solve the inequality

$$9 \le -3 (K-1)$$
  $6 \ge -3 k$   
 $9 \le -3 (K-1)$   $6 \ge -3 k$ 

M. for correct removal of brackets

15. Express 0.7272.....as common fraction in its simplest form.

(10) - (1) 100x = 72.7272.00 - x = 0.7272 - 9x = 72.0000 92x = 72.0000- x = 9.0000

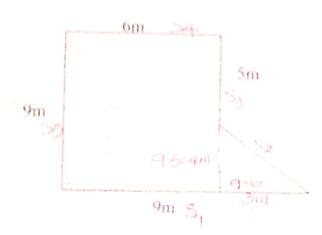
16. A farmer deposited shs. 90,000 in a bank that offers an interest rate of 2 ½ % per year for 8 months. Find the simple interest a farmer got in 8 months.

17. Find the median of 2,4,6,8,7,3

John is the fifth person on either of the two sides of the line. How many pupils in the line?

20-10

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



Calculate its perimeter What number has been expanded to give  $(6x10^3) + (4x10^1) + (6x10^2)$ 

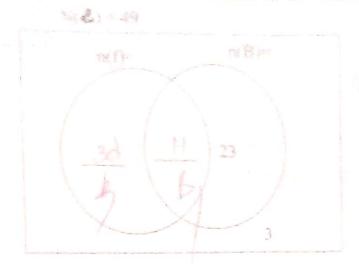
20.

(6x10)1(0x10)1(4x10)1(6x0.01) 6000+40+006

### SECTIONS

in a private of A9. 14 can best (B) lid out Eals (F) only, some people one both thinks white 3 people out other dishes

(a) Represent the above information on the vent diagram. (2mks)



(b) Find the value of d (2mks)

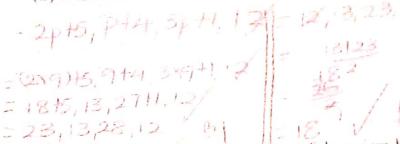
(c) Find the probability of picking at random a person who eats one dish.

22. The mean of 2p+5, p+4, 3p+1 and 12 is 19.

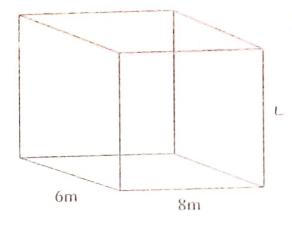
(a) Fine the value of P (3mks)

Moon = 
$$\frac{2p+5+p+4+3p+1+12}{4}$$
  $\frac{54}{6}$   $\frac{6}{9}$   $\frac{7}{6}$   $\frac{7}{6}$   $\frac{6}{7}$   $\frac{4}{7}$   $\frac{19}{7}$   $\frac{6p+22}{4}$   $\frac{4}{7}$   $\frac{7}{6}$   $\frac{6p+22}{7}$   $\frac{4}{7}$   $\frac{7}{6}$   $\frac{6p+22}{7}$   $\frac{6p+22}{7}$   $\frac{7}{6}$   $\frac{6p+22}{7}$   $\frac{6p+22}{7}$ 

(b) Work out their median (2mks)



23. The sum of the lengths of all edges of the prism below is 76cm.

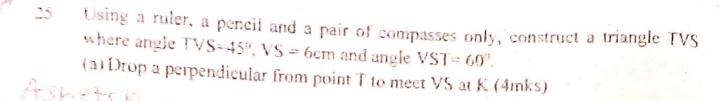


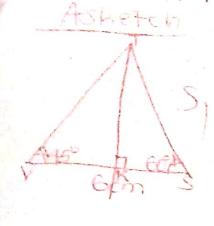
(a) Find the length of edge L (2mks)

(b) Calculate its volume (2mks)

24. Study and complete the table below (6mks)

24.	Study at	id compie	te the table ou	14.7	1
	Item		Quantity	Unity cost	Amount
	Beans		3kg	sh 4800 per kg	sh. 14400
	Rice		5 kg	sh 5000 per kg	sh 2500
	Milk		250ml	sh 3000 per litre	sh /SCIVE
	Biscuits		2pkts	sh 6000 per packets	
			Total exp	VB	sh 29650
3h-1	4800/	Price Strastic Strastic	10 in 1 k 250 x shi E - 1600 29,750	Bisson 10/cm 3000 31, 14/400 sh 2 50 0 4 6h 76 5 0 Amount 56, 27650	- white cost of Biscuits - white 6000 8





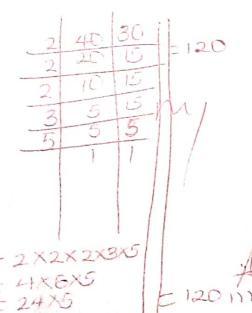
Accurate diagiana

(b) Measure length TK (1mk)

TK = 3.9cm

B

26. At Nyakanyinya P/S, two bells are used one bell rings every after 40 minutes and another bell rings every after 30 minutes for upper and lower classes respectively.
(a) After how long will the two bells ring together? (2mks)

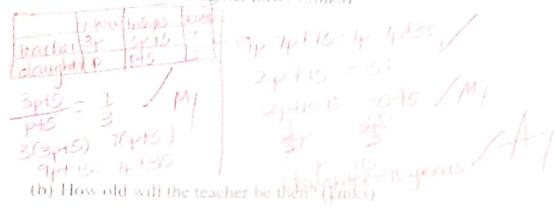


- (b) If they are first rung at 11:00am, at what time will the two bells ring toge again? (2mks) 27. (a) Simplify:  $\frac{0.12 \times 5.4}{0.03 \times 0.6}$  (3mks)
  - The tax driver left Kabwohe to Mbarara at 10:30am driving at a speed of 80km/hr. 28. The driver reached Mbarara at 2:00pm.
    - (a) Calculate the time taken by the driver to reach Mbarara. (2mks)

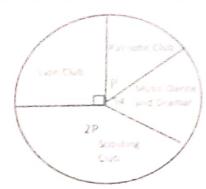
ths mins	14.50°
+12 00	0330/61
14 00 B	- 3 hrs 30 minutes
,	

(b) Find the distance between Kabwohe and Mbarara (2mks)

- Teacher Alson is thrice as old as her daughter. In 5 five years, the ratio of Alson's age to his daughter will be 7.3 respectively
  - (a) How Old is her daughter now? (3mks)



 The pie-chart below shows how pupils at Mbarara Junior school are distributed in various clubs in the school.



(a) There are 216 pupils in patriotic club. Find the total number of pupils in the school. (4mks)

school. (4mks)

$$p+2p+54^{\circ}+710^{\circ}=360^{\circ}M$$
 $3p+1444^{\circ}=360^{\circ}M$ 
 $3p+144^{\circ}+4714^{\circ}=360^{\circ}M$ 
 $3p+14^{\circ}+4714^{\circ}=360^{\circ}M$ 
 $3p+14^{\circ}+47$ 



Jumbo, Tendo and Mambo contributed sh 24000, sh 36,000 and sh 60,000 respectively for a joint business which made a profit of shs 51,000 he the end of the business, they then agreed to separate and each of them starts his own and they each shared the total money according to their initial contributions. How much did

= Sh 21200 | Sh 66, 500 | Ishare | Icrido | Sh 60,000 | Sh 1200 | Sh 15300 | Sh 8 550 | Sh 8 500 | Sh 8 500 | Sh 8 500 | Sh 8 500 | Sh 15300 | Sh 153

32. The sum of 4 consecutive odd numbers is 56. If the first number is (y+2)

(a) Find the value of y (2mks)

(b) List the numbers. (4mks)

= 912, 914, 916, 918, = 912, 914, 916, 918, = 11, 13, 18, 179