MITYANA DISTRICT EXAMINATIONS BOARD

PRIMARY SEVEN MOCK 2023 MATHEMATICS TIME ALLOWED 2HOURS 30 MINUTES

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Can	didate's Name:			
Can	s signature:			***********
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Nea	d the following instructions carefully	FOR EXA	MINER'S	USE ONLY
1,	The paper has two sections A and B	QN NO.	MARKS	EXRS NO.
2.		1 - 5		
2.	Section A has 20 questions (40 marks)and	6 - 10		
	Section B has 12 questions (60 marks)	11-15		
3.	Answer all questions in A and B	16-20		
		21-22		
4.	All answers must be written in the spaces	23-24		
	provided in Blue or Black ink	25-26		

27-28

29-30

31-32

TOTAL

ਈ. Unfrecessary crossing of the work will lead to loss of marks.

Any handwriting which can not be read may

Turn Over

7. Do not fill anything in the boxes indicated:

"For Examiners" use only"

lead to loss of marks.

5.

SECTION A: 40 MARKS

Answer all the questions in this section Questions 1 to 20 carry two marks each

	Questions 1 to 20 ca	irr	y LWO IIIai KS Cacii
1.	Work out: 10 x 12.	2.	Expand 634 using values.
	1 4 M		
		-	
3.	Simplify: 3k + k - 2k	4.	Write 49 in Roman Numerals.
		1,	
	1. 2.√2.		
5.	How many squares are in the	6.	Given set $P = \{a, b, c, d\}$ and
	next grouping in the pattern?	0,	$Q = \{a, m, k\}.$
			Find n(PUQ)
	د		
		8.	In the diagram below, find the
_	Cubtract 200 France FOO		value of y. $y+20^{\circ}$
7.	Subtract 369 from 500.		
			¥100°
			The state of the s
}		1	그는 그는 그런 그런 그런 그는 그들은 그는 사람이라고 됐습니다. 이번 그리고

9.	Change 2.5 metres to centimetres.		
the second con-			
-			
10.	Name the solid figure whose not is	chou	vn bolow
10.	Name the solid figure whose net is	SHOV	VII DEIOW.
	Acres some		
11.	Find $\sqrt{2\frac{1}{4}}$	12.	Express $\frac{1}{50}$ as a decimal
		12.	fraction.
2			iraction.
			in constitution may be a final final form
13.	Given	14.	Add: Hours Minutes
	MN		3 15
	Shade M - N		+ 4 4 5
15.	A thief broke into our house at eigh		
	minutes to mid-night. Express thi time in a 12 hour clock system.	S	the series:
	time in a 12 hour clock system.	;	5 , 6, 8, 11,
		x 200	
			MTC 3

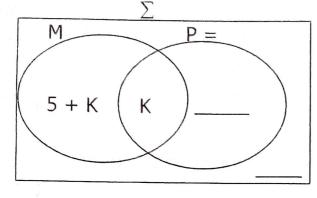
17.	real real reas expanded	18.	Find the size of angle K in the
	to get;		figure.
	$(3x10^3) + (6x10^1) + (9x10^0)$		^
-	(2)(20)		
			* \
			√K° 70° √
			4
			`
			*
			and the second
19.	Calculate the value of angle p.	20.	Solve: $3(p-2) = 6$
	tareas the value of dright p.		σοποί σ(ρ 2) σ
	300		
1	→ Op	and a see	
	Y P		
	40%		
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		41	
1			3.68
		9 ***	Section 1
1		1	

SECTION B

Answer all questions in this section Marks for each question are indicated in brackets

- 21. At a party, 31 guests were served with Pepsi (P) and (5 + K) guests were served with Mirinda (M) only. But K guests were served with both Pepsi and Mirinda Sodas while 3 guests were served with water.
- a) Use the given information to complete the Venn diagram below.

(2mrks)



b) If 27 guests were served with Mirinda altogether, find the value of K. (2mrks)

22. (a) Solve: 3(y-2) - 4(y-2) = 7 (2 marks)

(b) A farmer is thrice as old as his daughter. Their total age is 60 years. How old is the daughter. (2 marks)

23.	Use th	e 3X3	magic	squar	re below to answer the questions that	The second second		
	n.	3	6	a		and statement of the second		
		b	5	2		and the same of th		
1		4	С	7				
a)	Find th	ne ma	gic sur	n.	(1mrk)			
3						-		
b)	Find th	ne vali	ue of a	ì.	(1mrk)			
c)	Find th	ne val	ue of b).	(1mrk))		
			en G		to abardina and our service of the			
d)	Find th	ne val	ue of c	.	(1mrk))		
24.	Kafulu	score	ed the	followi	ng marks in the tests as: 60%, 35%, 40%,	,		
a)	28%, 42% and 35% What was his modal mark? (1mrk)							
						1		
b)	Work	out hi	s mear	n mark	(3mrk	s)		
, k								
c)					d his crafts mark, the mean mark changed to did Kafulu score in crafts? (2mrk			
						-		

MTC

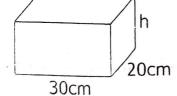
25. The table below shows the arrival and departure for a bus that travels from Kampala to Mubende daily.

ois it of the teampare to the defined daily.								
Town	Arrival time	Departure time						
Kampala		8:30am						
Busunju	9:10am	8:30am 9:30am						
Bukomero	10:30am	10:45am						
Kiboga	11:15am	11:40am						
Mubende	12:40pm							

a) How long does the bus stay at Bukomero?

(2mrks)

- b) How long does the bus take to travel from Bukomero to Kiboga? (2mrks)
- c) Find the total time taken by the bus to travel from Kampala to Mubende? (2mrks)
- 26. The figure below is a rectangular tin whose volume is 3.6 litres.

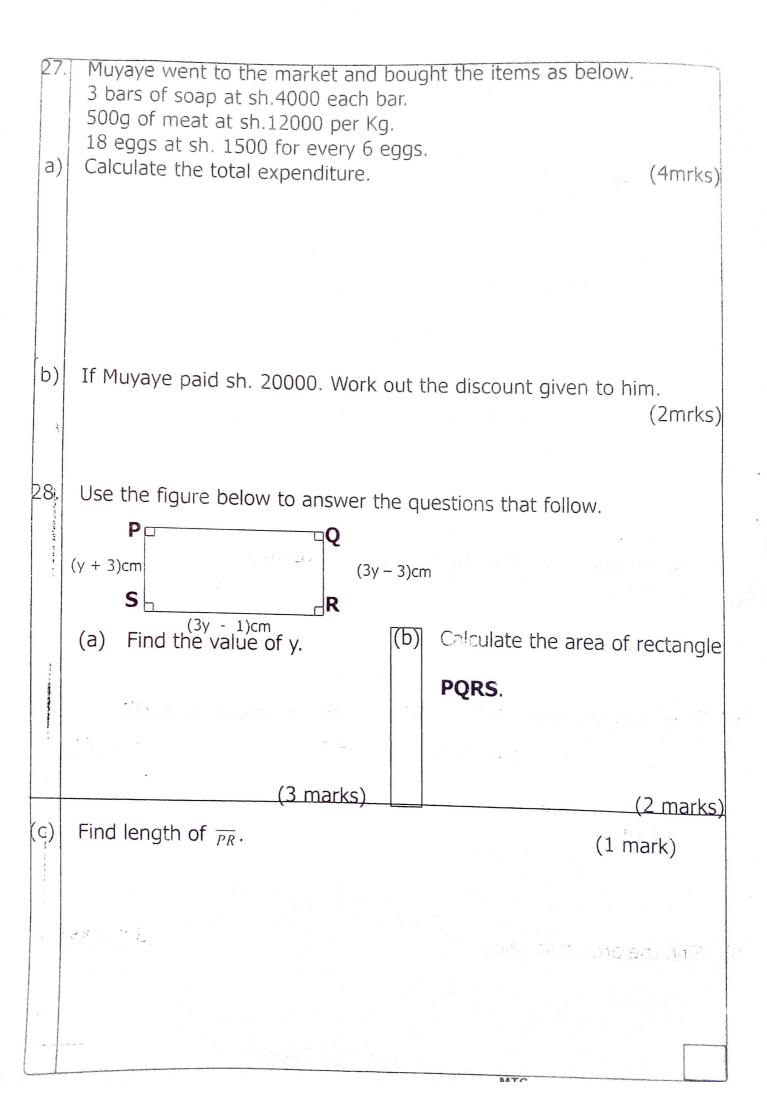


(a) Find the value of h.

(2 marks)

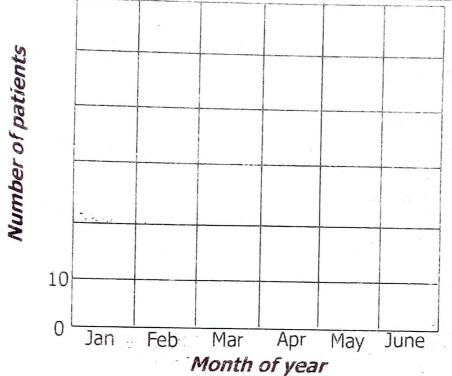
(b) Find the area of its base.

(3 marks)



29.	The table below shows malaria patients who reported at a certain hospital	
	in the first half of the year.	The same of the same of

i							
and the second second	Months of the year	Jan	Feb.	Mar.	Apr.	May	June
division business	Number of patients	50	30	25	30	40	60



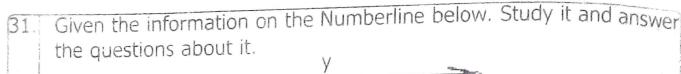
(a) Complete the vertical axis.

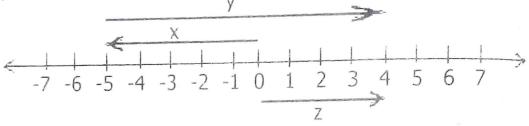
- (1 mark)
- (b) Draw a bar graph on the table above to represent the information.
 (1 marks)
- (c) If each patient was paying Sh. 20000 for consultation, how much money did the hospital collect in June? (2 marks)
- 30. a) Evaluate 0.5 X 2.4 0.12

(3mrks)

b) Simplify: -3 - 7

(1mrk)





- a) Give the values of the movements.
 - (i) x = _____
 - (ii) y = _____
 - (iii) z = _____
- b) Write the mathematical statement shown on the Numberline.

(2mrks)

a) Using a ruler, pencil and a pair of compasses only, construct a quadrilatel PQRS where line PQ = 7cm, ∠PQR = ∠QPS = 60° and PS = QR = 4cm. (4mrks)

b) What name is given to the constructed quadrilatel?

(1mrk)

c) Measure line SR _____

(1mrk)

END

MTC