MASAKA UNITED SCHOOLS ACADEMIC BOARD (MUSAB)

PRIMARY SEVEN SPECIAL MOCK EXAMINATION- 2022 MATHEMATICS

Time: 2hours 30 minutes

	EM	IS No.	Per	sonal No	0.
4			(4)		
didate's	Name:		*	4	

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- 1. This paper has two sections A and B.
- 2. Section A, has 20 short questions (40mks)
- 3. Section B has 12 questions (60marks)
- 4. Answer all questions.
- All answers to all questions must be written in the space provided.
- All answers must be written using blue or black ball pen or ink.
- Unnecessary crossing of work will lead to loss of marks.
- Any handwriting that cannot easily be read may lead to loss of marks.
- 9. Do not fill anything in the boxes indicated "FOR EXAMINER'S USE ONLY"

FO	R EXAMI	
QN. No.	MARKS	INITIALS
1 - 5		
6-10		
11-15	and a	
16-20		
21-22		
23-24		
25-28		
29-30		74
31-32		
TOTAL		- 0

Turn C

SECTION: A

Workout: 21 x 3	2.	Write "Forty seven thousand, nine hundred eighty" in figures.
Given that; Set P ={ All factors of 18}. Find n(P)	4.	Find the next two numbers in the sequence. $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16}, \dots$
The number of pupils in a school reduced by 25%. If the original number of pupils was 1,800. Find the current number of pupils in the school.	6.	Express $\frac{3}{8}$ as a decimal fraction



8	Bisect the obtuse angle on the diag	ram t	pelow.
9.	Using the diagram below, calculate	the v	alue of h.
10.	What is the multiplicative inverse of $\frac{2}{5}$?	11.	Given that 4 apples cost sh. 2,000. Find how many apples can one buy with sh. 6,000.
12.	Given that y = "4, k=5 and q = 2 Evaluate: k - yq ²	13.	Describe the unshaded part in the Venn diagram below. n(\(\Sigma\)) n(M) n(B)

14.	If $\frac{2}{3}$ of land was cleared for banana plantation, and 120 hectares was
	left for crop growing. How many hectares were they altogether?
Ť	
	*
5.	Prime factorise 36 and write your answer in exponents.
	•
	-74
5.	How many 250ml bottles of juice ser and the
	How many 250ml bottles of juice can one get from 2 litres of the same juice?
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+	Round off 12 649 to the second
	Round off 12.649 to the nearest whole number.
1	

18.	A regular polygon has 12 right angles. How many sides has the polygon
	toward the same of the same
	167
	The second secon
19.	A deliver left Vermale to the land of the
17.	A driver left Kampala to Masaka with 8 passengers. When he reached
	Mpigi two passangers left the taxi and 4 passengers boarded from
	Lukaya. Find how many passengers reached Masaka.
	8
1	
20	Find the range of -2, 0, -4, and -5.
201.0	- ma me range of -2, o, -4, and -5.
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Shirat went to the market with 3 -ten thousand shilling notes and 21 bought the items as shown on the table.

(a) Study it carefully and complete it.

(-)		Totitu	Amount
Item	Unit cost	Quantity	Shs. 7000
Rice		2kg	
Beans	5hs. 3,000	2 ½ kg	5hs
7/12/12/2011	A CONTRACTOR OF THE PARTY OF TH		5hs. 7,500
Maize flour	5hs. 2,500	Parra	5hs. 6,000
Cooking oil	Shs. 12,000	litres	3/13. 0,000
	TOTAL		

(5marks)

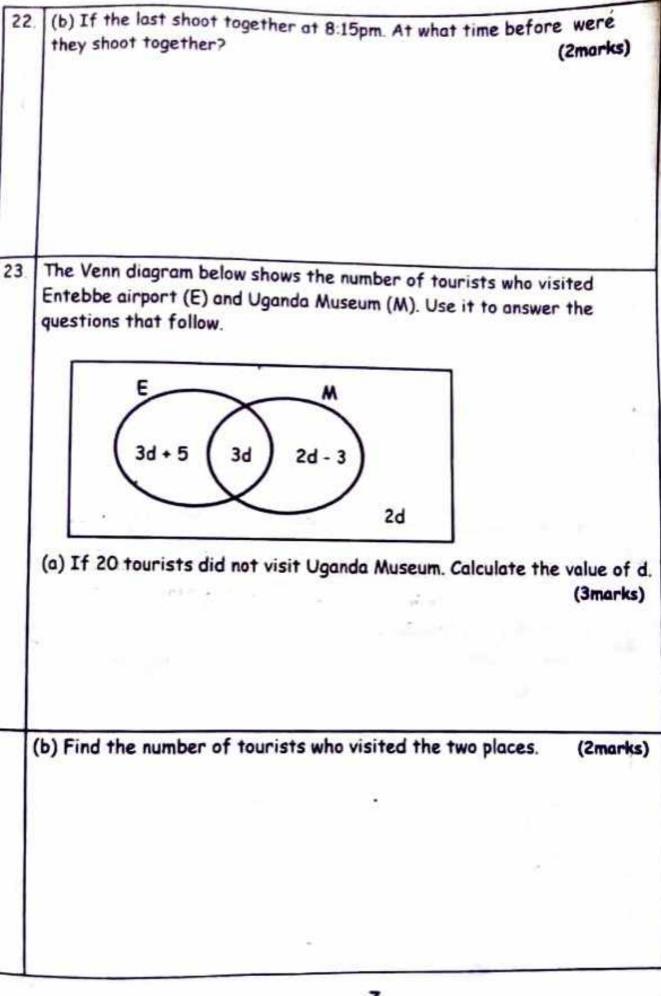
(b) Calculate how much Shirat paid for the items if she was given a discount of sh.8,000.

(1mark)

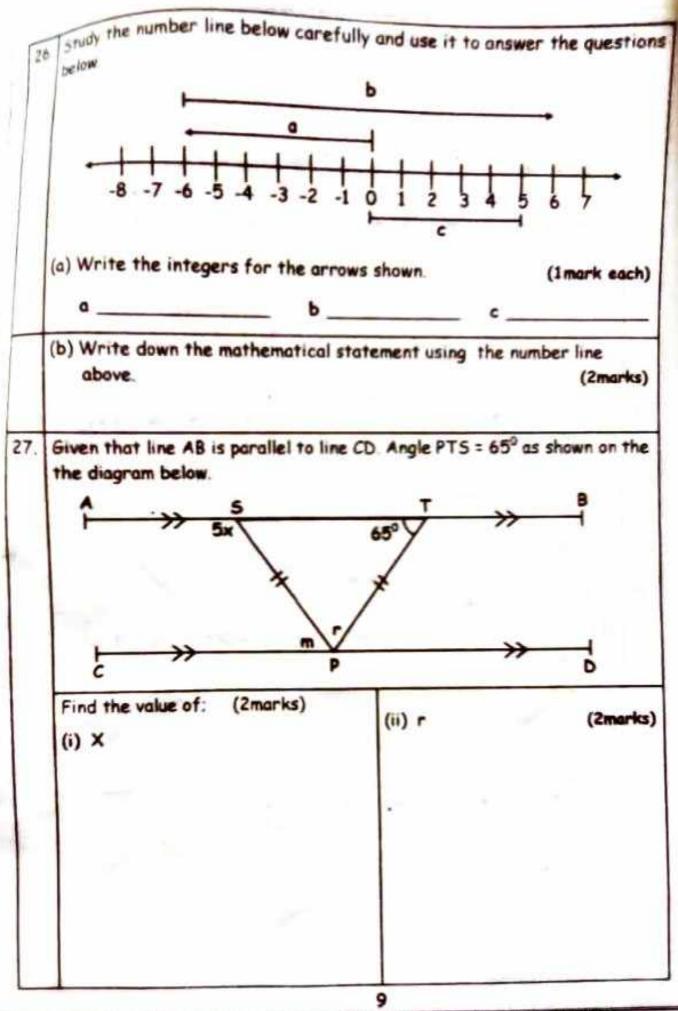
22. In a security training, bullets are shoot at an interval of 50 minutes and 75 minutes respectively.

(a) After how many hours will they shoot together?

(3marks)



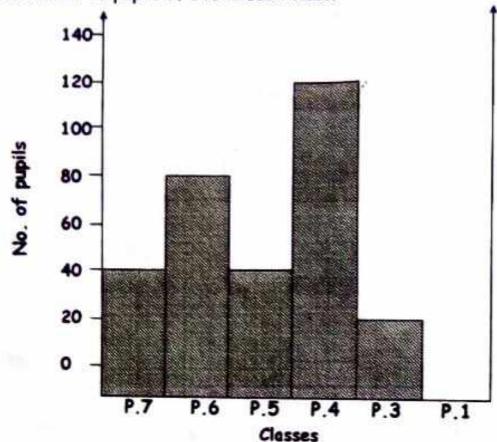
4	- t compacent o		
4.	a) Using a pair of compasses, a	100 1 CIT	200
	EHT such that HE = 8cm,	< HET = 60° and < EM I	30
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	(b) Drop a perpendicular from	T to meet HE at B. Measu	re TB
	(b) Drop a perpendicular from 1	T to meet HE at B. Measu	
ì.	Barbra, Rose, Gorreth and Meri	isha are pupils of P.7 who	(1 mark)
	(b) Drop a perpendicular from T Barbra, Rose, Gorreth and Meri weight is 47kg. Merisha weighs Gorreth is 4kg less than Barbra Find Rose's weight.	isha are pupils of P.7 who: 52kg and she is as heavy	(1 mark se average as Barbra.
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7.	(iii) m (1mark)
3.	A taxi driver leaves station Masaka at 9:45am and reaches Kampala station at 2:15pm. The distance between the two stations is 180km. Calculate the average speed of the taxi driver in kilometers per hour. (4mrks)
).	The diagram below shows a rectangular tank a farmer uses to collect his milk from the cows.
	40cm 30cm
	a) If the tank now is $\frac{1}{3}$ full of milk. Find the height of the full tank. (2mrks)
	b) How many litres of milk are in the tank now? (3mrks)

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1	(a) Workout: 0.7 - 0.34	2	land disc	(b) Simplify:	$\frac{1}{4} + \frac{5}{8}$	$+\frac{1}{2}$
	0.2 × 0.3	(3marks)	10.71		4 8	(2marks)
		t to any				
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		64		4 4		
		100				
31.	a) Solve for x:	3(3x - 3) - 2(2x -	2) = 15		(3mrks)
	. 15					
		281			-67	
	b) Given that the	ne height of Pete heir heights is 2	r is Ocm	five times that Find Mary's he	of Mary.	If the (2mrks)
	b) Given that the difference of t	ne height of Pete heir heights is 2	r is Ocm	five times that Find Mary's he	of Mary. eight.	If the (2mrks)
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	difference of t	schools Academia B	Ocm	, Find Mary's N	aigni.	

The graph below shows the number of pupils who were not immunised against COVID-19 in a certain school recorded from five classes with equal number of pupils of 140 in each class.



- In which class was the highest number of pupils immunized? (1mk) (a)
- Find how many pupils were immunized in P.4. (b) (2marks)
- Find the total number of pupils who were not immunized in the 5 (2marks)