



SUCCESS INTEGRATED PRIMARY SCHOOL

Pre-PLE Mock Examination (Set 9), 2020

Mathematics

Time: 2 hours 30 minutes

INDEX NUMBER

--	--	--	--	--	--	--	--	--	--

NAME: _____

Signature: _____

FOR EXAMINER'S USE ONLY

School: _____

District _____

A	
B	
TOTAL	

Read the following instructions carefully:

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.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. No calculators are allowed in the examination room.

PARENT'S COMMENT	
SIGNATURE	
Date:	

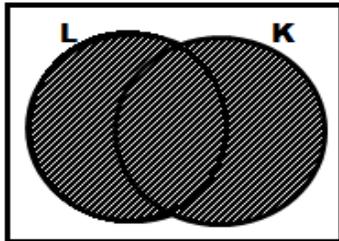
SECTION A:(40 Marks)

1. Work out: $33 + 67$

2. Write XCIV in words.

3. Find the product of the next two missing numbers in the series:
1, 3, 6, 10, _____, _____

4. Describe the un-shaded part.



5. Work out: $\frac{7}{8} \div \frac{1}{2}$

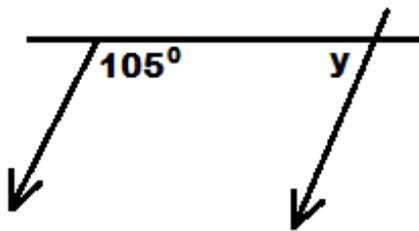
6. Find the mean of 0. 3 and 6y.

7. Work out: $-8 - 2$.

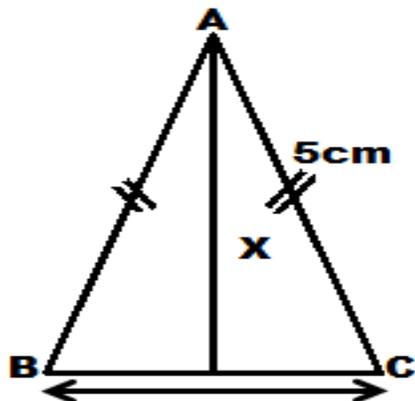
8. Work out:

	Wks	Days
	7	3
-	2	5
	<hr/>	
	<hr/>	

9. Find the value of y in



10. Find the area of the figure below:



11. Kato withdrew fifty thousand shilling notes numbered from AU6000244 to AU6001243 from the bank. How much money was withdrawn?

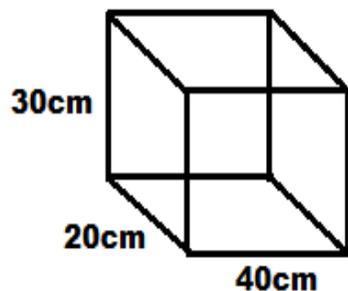
12. Simplify: $3 - (x - 2) + 2x$.

13. Subtract:
$$\begin{array}{r} 1011\text{two} \\ - 111\text{two} \\ \hline \\ \hline \end{array}$$

14. If $M = \{c, a, r, t\}$ and $\{c, a, t\}$,

15. Write 2474 in standard form.

16. Without dividing show that 2376 is divisible by 9
17. If today is a Wednesday, what day of the week was it 26 days ago?
18. In a class there are 27 girls and 21 boys. Find the ratio of the number of girls to the whole class.
19. The figure below shows a water tank. Calculate the capacity of the tank in litres.



20. Nakalema is 6yrs younger than Mutera. If their total age is 30, find Mutera's age.

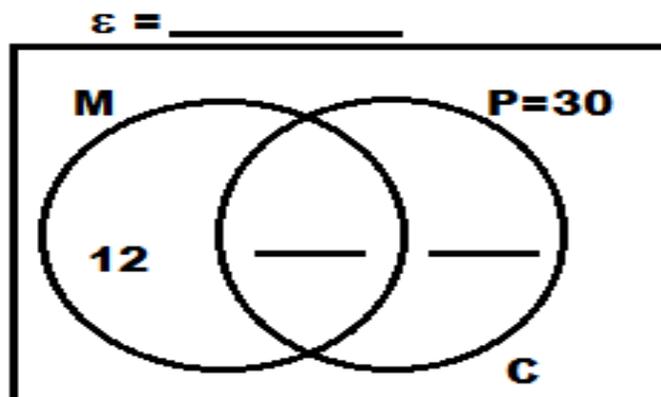
SECTION A

21(a) $3x + 4 < 5x - 6$ (2mks)

- (b) A man is 13 years older than his daughter. In three years' time, their total age will be 43yrs. How old is the man now? (3mks)

22. During a picnic day where 49 candidates participated, 12 took mango juice only (M), $c+7$ took passion juice (P) and mango juice (M), 30 took passion juice while C took nothing.

- (a) Complete the Venn diagram. (2mks)



(b) How many candidates took both mango and passion juice? (2mks)

(c) How many took passion juice only? (1mk)

23(a) Work out: $213_{\text{five}} + 142_{\text{five}}$ (2mks)

(b) Find the value of base n if $21_n = 13_{\text{ten}}$ (3mks)

24. In a certain school each pupil was given 4 exercise books and 6 pens.

(a) If 247 pencils were given out, how many pupils are in the school?
(2mks)

(b) Find the total number of exercise books that were given out to all the pupils in the school. (2mks)

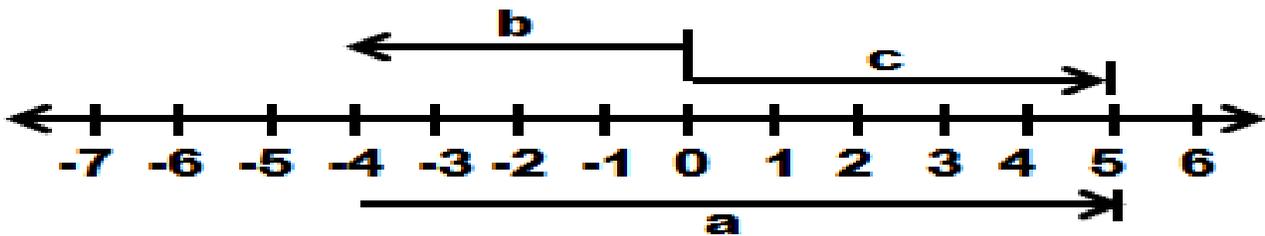
25. The sum of three consecutive odd numbers is 105. If the biggest is y :

(a) Work out the three numbers.

(b) Find the range of these numbers. (2mks)

26. In Bukanga Primary School, 75% of the pupils enjoy coca-cola. 20% of the remaining pupils enjoy Fanta and the remaining 60 pupils enjoy Pepsi. How many pupils are in this school? (5mks)

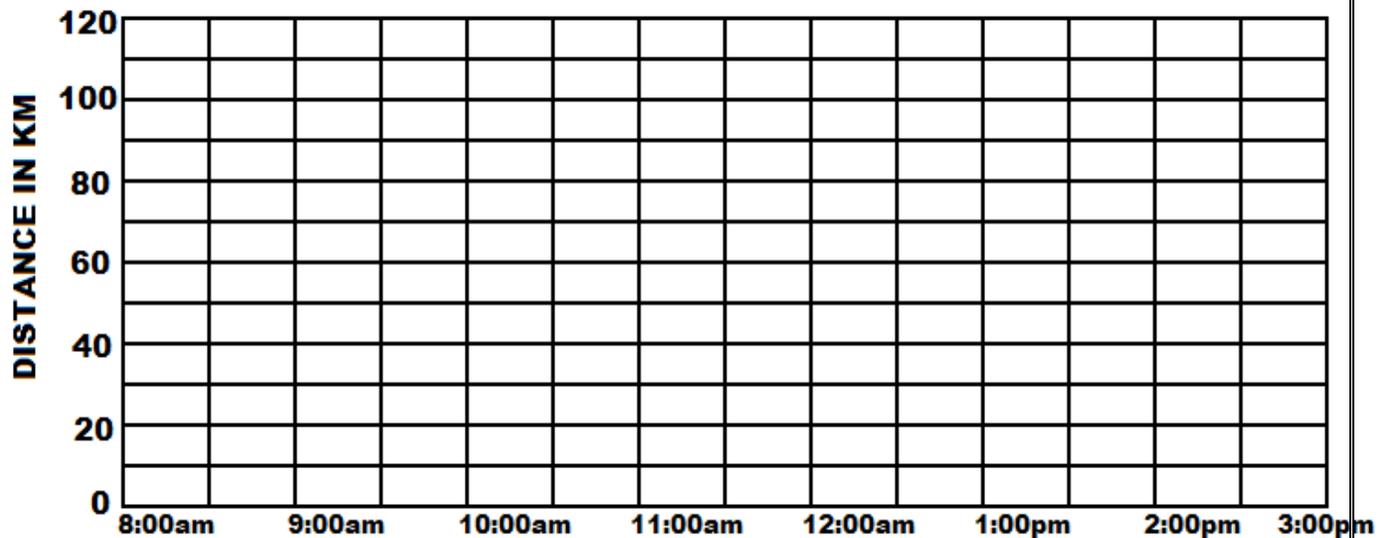
27. Study the number line below and answer the questions about it.



- (a) State the integers represented by; (3mks)
- (i) a: _____ (ii) b: _____ (iii) c: _____
- (b) Write the mathematical statement represented on the number line. (2mks)

28. A man left home at 8:00 a.m. and drove at a steady speed of 45km per hour for 2 hours to town A. He rested at town A for 60 minutes and returned home in 3 hours.

- (a) Show the man's journey on the grid below: (4mks)



- (b) What was the man's average speed for the whole journey?
(2mks)

29(a) Given that a home is 36km East of a school and a market is 54km away from the home on a bearing of 040° , using a scale of 1cm to represent 6km draw an accurate diagram to show the above information. (4mks)

- (b) Find the shortest route in km between the school and the market.
(1mk)

30(a) An athlete was running at a speed of 30m/s. Express this speed in km/hr. (2mks)

- (b) A bus travelling at a speed of 70km/hr left Mombasa at 9:45a.m and reached Nairobi at 1:45 p.m. What distance did it cover? (4mks)

31. The exchange rate of one United States Dollar at MutekangaForex Bureau is as shown in the table below:

CURRENCY	BUYING	SELLING
1 US \$	Ug. Sh. 4000	Ug. Sh. 4100

- (a) Kapchigiri a student from Uganda is leaving for the United States of America. He has Ug. Sh. 1,148,000. How many US dollars will he obtain from the forex bureau? (2mks)
- (b) A business man from the United States of America arrives in Uganda with US\$ 3200. How much Ug. Sh. Will he get after exchanging this money? (2mks)

- 32(a) A string was wound round a cylindrical tin 30 times. Calculate the length of the wire use if the radius of the tin was 7mm.

(b) The perimeter of a semi-circle is 54cm. Find the length of its diameter. (3mks)