KANA KINDERGARTEN AND PRIMARY SCHOOL KITEGA-LUGAZI

SPECIAL PAPER PRE-MOCK MATHEMATICS SET 111 2022

DURATION: 2HOURS AND 30 MINUTES

NAME .....

INDEX NUMBER.

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

Read the following instructions very carefully.

1. This paper has two sections **A** and **B.**
2. Section A has 20 questions **(40marks)**
3. Section B has 12 questions (**60 marks**)
4. All answers must be written using blue or black pen.
5. Unnecessary crossing or changes may lead to loss of marks.
6. Any handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the boxes indicated for examiner's use only.
8. The use of mathematical tables and electronic calculators is not allowed.

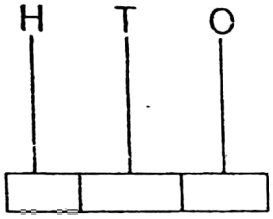
FOR EXAMINER'S USE		
QN: NO	MARK	SIGN
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A: (40 Marks)

1. Work out: $4 \times 0 \times 3$

2. Write 949,456 in words.

3. Show 543 on an abacus below.



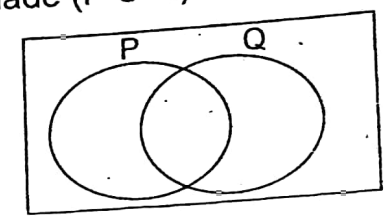
4. Without carryingout division, which of the following is divisible by 6?
   1104 , 2002

5. Use distributive property to work out $(12 \div 7) + (9 \div 7)$

6. Round off 34.29 to the nearest whole number.

7. Divide 396 by 2

8. Shade $(P \cup Q)'$



9. Given that; M = 2, P = 3 and R = 10. If PQ - M = R, find the value of PQR.

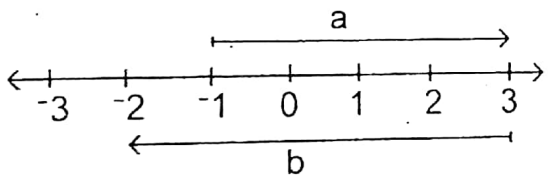
10. The garden can be sprayed by 3 men in 21 days. How many men working at the same garden can dig the same garden in 42 days?

11. Find the least number of sweets when divided among 8 boys gives a remainder 4 and when divided among 6 girls give a remainder 2.

12. Find the sum of the missing numbers.

0 , 2 , _____ , 6 , 8 , _____

13. Study the numberline below and answer the questions that follow.



Write the integers represented by;

i) a = _____

ii) b = _____

14. Express 0.6363... as a rational number.

15. The bearing of town A from town B is 320^0. What is the bearing of town B from town A?

16. How many $1\frac{1}{4}$ litre bottles of honey can be obtained from a container of 20 litres?

17. The complement of $x + 40^0$ is $x + 30^0$. Find the value of x.

18. Using a pair of compasses, a pencil only construct an angle of 300^0.

9. The loss on a shirt bought at shs. 8500 was shs. 2,000. Calculate the selling price of the shirt.

20. What number can be squared to give 225?

SECTION B (60 MARKS)

21. a) Work out:

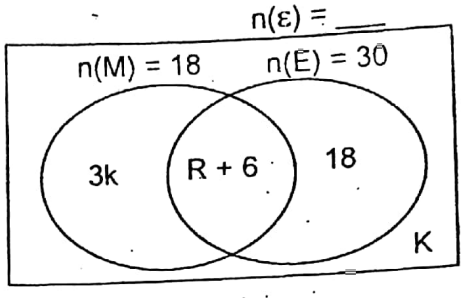
$$\begin{array}{r} 2\ 3\ 4_{\text{five}} \\ +\ 1\ 4\ 3_{\text{five}} \\ \hline \_\_\_\_\_\text{five} \end{array}$$

(2 mks)

b) Given that: $32_t = 112_{\text{five}}$. Find the value of t.

(2 mks)

22. The Venn diagram shows pupils and subjects they like. ie Maths (M) and English (E). Use it to answer questions that follow.



a) Find the value of K. (4 mks)

b) What is the probability of picking a pupil at random who likes neither? (1 mk)

23. Kakima bought the following items.
- A 5 kilogram bag of posho at sh. 10,000 a bag.
- 12 oranges at shs. 1,000 for every 4 oranges.
- 400g of sugar at sh. 3000 per kg.
- 1¼kg of meat at shs. 12,000 per kg.

a) Calculate the total expenditure of the items. (4 mks)

b) Kakima paid shs. 29,000 for the items. What discount was he given? (2 mks)

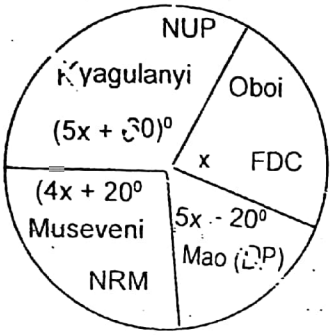
24. The sum of 3 consecutive even numbers is 60. If the number is m + 1, find the numbers. (5 mks)

25. Using a ruler, a pencil and a pair of compasses only, construct a triangle ABC in which AB = 7cm and angle BAC = 120^0 and angle CBA = 30^0. (4 mks)

b) Measure line BC. (1 mk)

26. Given that 1 Kenya shillings 30 Uganda shillings and 1US dollar = 3600 Uganda shillings. If the direct of Kampala junior has 500 US dollar. How much does have in Kenya shillings? (4 mks)

27. The pie-chart shows some of the presidential aspirants with the support they have in the Kawempe Division.



a) Find the value of x . (3 mks)

b) If Kawempe division has 720,000 votes, how many more voters voted for NUP than NRM? (2 mks)

28. Given that: $y = 2x + 1$, complete. (4 mks)

X	0		-2	
Y		3		-3

(4 mks)

29. a) Workout: $\frac{0.27 \times 0.4}{0.06 \times 0.09}$

(3 mks)

b) Solve for x: $(2(6 - y) = 30$.

30. The table below shows pupils performance in mid term exams in a class of 10 pupils.

Marks	70	60	80	90
No. of pupils	2	2	b	1

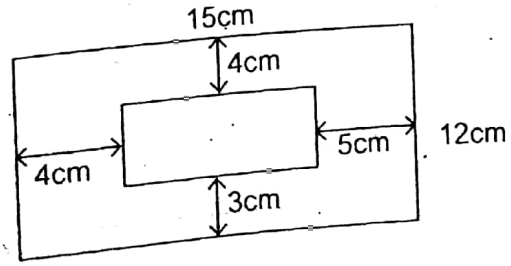
(2 mks)

a) Find the value of b?

(3 mks)

b) Find the mean mark.

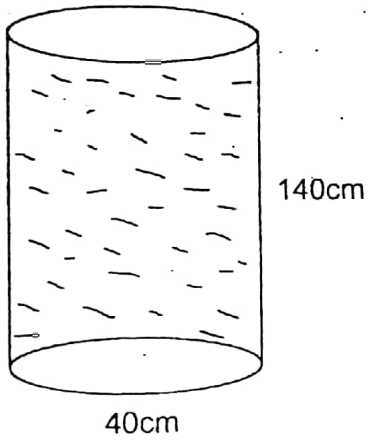
31. The diagram shows the recent staff photograph of Hamza P/s framed with measurements shown below. The photo leave a margin 3cm by 4 cm and 5cm by 4cm.



a) Find the area of covered by the photo. (4 mks)

b) Find the area of the margin around the photo. (2 mks)

32. The tin below was filled with milk to be served to visitors during Gian's birthday party. If each visitor was given a litre of milk. How many visitors attended the birthday? (5 mks)



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