



THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD

THE REAL NEXT TO PRIMARY LEAVING EXAMINATIONS

THE REAL SPECIAL MOCK TRIAL SET FOUR - 2023

MATHEMATICS

Time allowed: 2 Hours 30 Minutes

BASED ON
THE
PRIMARY SCHOOL
ABRIDGED CURRICULUM
FOR UGANDA

Index no:

Random No					Personal No				

Candidate's name:

Candidate's signature:

School:

District:

Read the following instructions carefully

1. This paper is made up of two sections: **A** and **B**.
2. Section **A** has **20** questions (**40 marks**).
3. Section **B** has **12** questions (**60 marks**).
4. Answer ALL questions in both sections **A** and **B**.
5. All answers **MUST** be written in the space provided
In blue or black ball point pens or ink. All diagrams
Should be in pencil.
6. Unnecessary crossing of answers will lead to loss of
Marks.
7. Poor hand writing which cannot be easily read,
May lead to loss of marks.

FOR EXAMINERS' USE ONLY		
Qn.No	MARKS	SIGN
1-10		
11-20		
21-22		
23-24		
25-26		
27-28		
29 - 30		
31 - 32		
TOTAL		

The Real Private Teachers' Voice Examinations Board 2023.

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REAL UNEB (PLE) BLUE PRINT ITEM 2023

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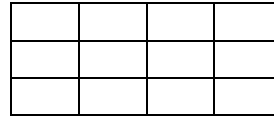
SECTION A (40 MARKS)

1. Work out: $104 \div 2$

2. Given that $A = \{1, 2, 3, 4\}$. How many subsets are in set A?

3. Write twelve thousand eighteen " in figures

4 shade $\frac{2}{3}$ of the diagram below



5 write CXLIV in Hindu Arabic numerals

6.simplify $-4 - 9$

7 what number is represented by



8.Container 15000cm^3 find the capacity of the container in litres.

9.simplify $3(m+2) - (m-1)$

10. Shopkeeper sold gaining 20% .
If his gain was Shs5,500,find his selling price.

11.subtract 0.99 from 99



12. Write 005 hours in 12hour clock system

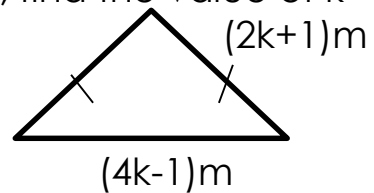
14 Alex and Annet shared some mangoes in the ratio of 3:2 respectively. if Alex got 15 mangoes, how many mangoes did they share altogether?

16. What number is exactly divisible by 18 and 24 leaving 2 as remainder

18. Write the number whose scientific notation is 8.45×10^3

13 work out the supplement of $2x - 20^\circ$

15. The perimeter of the triangle below is 17m, find the value of k



17. Find the next number in the sequence 125, 64, 27, ----, ----

19. Subtract 23_{five} from 421_{five}



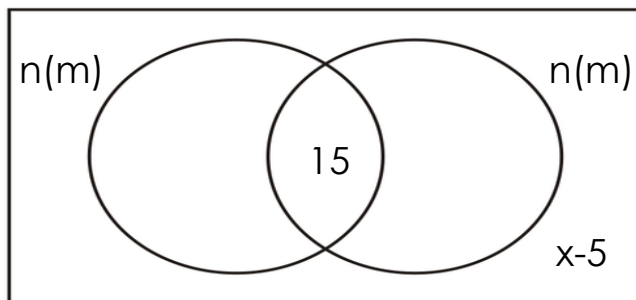
20 if today is Tuesday ,what day of the week was it 88 days ago?

SECTION B (60 Marks)

21. In class of 75 pupils at Bright Stars P/S 45 pupils like posho (P) and 15 pupils like both posh and matooke (m) x pupils like matooke only while (x-5)pupils do not like any of the two types of foods.

a) Use the information above to complete the Venn diagram below; (2mks)

$$n(\Sigma) = 75$$



b) Find the value of x (3mks)

22 Mrs. Muvule bought the following items from a super market.

2bars of soap at shs 8000 each bar

500grams of salt at shs 2400 per bar.

$2\frac{1}{2}$ kg of cooking oil at shs 10,000 per litre

$1\frac{1}{2}$ kg of sugar at 5000per kg



a) How much money did she spend altogether? (4mks)

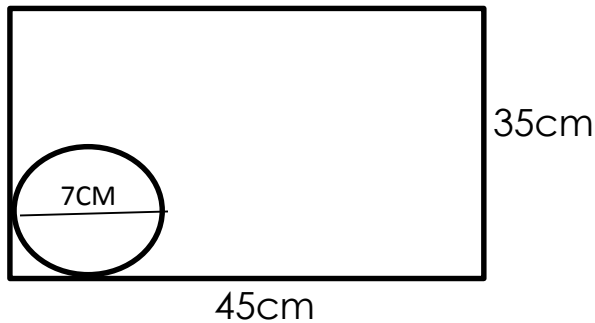
b) If she went with Shs50,000. What was her change? (1mk)



23.a). work out $\frac{3.6-2.4+3.6}{2-1.8}$ (2mks)

b) if $104_x = 29_{\text{ten}}$ find the value of x. (3mks)

24. Alexander cut out circular plates of diameter 7cm from a rectangular sheet of metal of length 45cm by 35 cm as shown below



a). How many circular plates did he cut out from the rectangular sheet of metal? (2mks)

b). Find the area of unused sheet after cutting out the circular plate. (3mks)

25. Amanda borrowed Shs600,000 from the bank which charges an interest rate of 10% per 6 months

a) How much interest did he pay at the end of 6 months? (3mks)

b) How much money altogether did Amanda pay back to the bank after 6 months? (2mks)

26 The mean of scores 4,3,6,5,(k-3) is 5

a) Find the value of k (3mks)

(b). Work out the range (2mks)

27. Bob left his home at 6:30am driving his car and arrived at his place of work 80km away at 8:30am . If he spent only one hour at his place of work and went back home through the same route at a speed of 40km/hr. Calculate his average speed for the whole journey. (3mks)



28 Of the tourists who visited Uganda, $\frac{2}{5}$ of them visited Queen Elizabeth national park $\frac{1}{3}$ of the remainder visited L. Mburu national park and 80 tourists visited Kidepo national park. How many tourists visited Uganda? (4mks)

29. Mary is 5 years older than Shanitah now. In 15 years time their total age will be 75 years. How old is Mary now? (4mks)

b) How old will Shanitah be in 20 years' time? (2mks)



30. A trader bought a roll of electricity wire wound on cylindrical frame of diameter 140cm for 50 times at Shs400,000. He then sold each metre at Shs2,000.

a) Calculate the total length of the wire he bought. (2mks)

b) Calculate his percentage profit. (3mks)

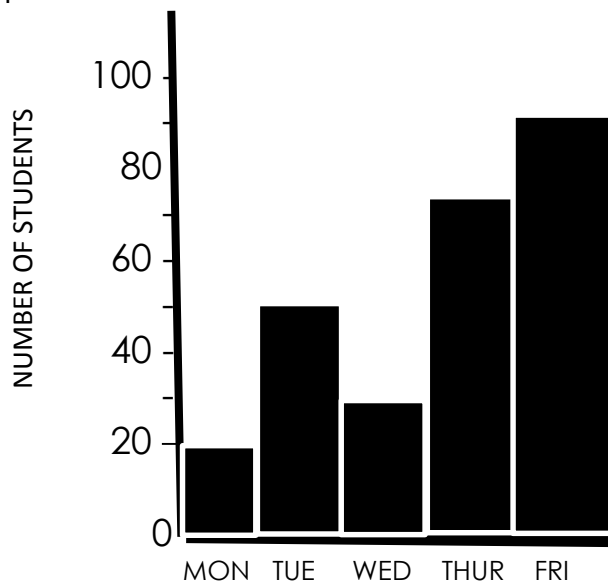


31 The interior angle of a regular polygon is 90° more than its exterior angle.

a) Calculate the size of its exterior angle. (3mks)

b). Calculate the sum of its interior angles. (2mks)

32 The graph below shows the number of pupils who were absent in class of 100 pupils



a) How many pupils attended school on Monday? (1mk)

b) How many pupils were absent on Wednesday? (1mk)



- c) Which day of the week had the highest absentees? (1mk)
- d) Calculate the average number of pupils who attended school throughout the whole work. (2mks)

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