BUKOMANSIMBI DISTRICT PRIMARY LEAVING PRE PLE EXAMINATION - 2024

MATHEMATICS

Time allowed: 2 Hours 30 Minutes

	RANDOM No.						Personal No.		
Index number									

Candidate's Name: _____

Candidates' Signature: _____

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

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two section **A** and **B**.
2. Section A has **20** questions **(40 marks)**
3. Section **B** has 12 questions **(60 marks)**
4. Attempt all questions in both sections. All answers to all questions must be written in the space provided.
5. All answers must be written using **blue** or **black**ball pen or **Ink**. Only diagrams and graph work must be done in pencil.
6. Unnecessary **crossing** of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated: **"FOR EXAMINER'S USE ONLY"**

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	INITIALS
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

Attempt **all** questions in this section.
Questions **1** to **2** carry **two** marks each.

1. Subtract 14 from 41.

2. Write CDIV in words.

3. Divide $2 \div 4 =$ _____ (Finite 6)

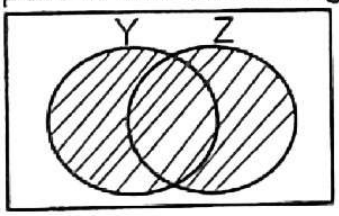
4. Using a ruler, a sharp pencil and a pair of compasses, construct an angle 52.5^{0}.

5. Mary was given one million shillings of fifty thousand notes numbered from Ab200467 consecutively, what was number of the last note?

6. Abas bought a string which was used to demarcate his circular land whose diameter was 35 metres. if it was enough to demarcate the land around twice, how long was the string?

7. Annet wrote her age using tallies. If she was 12 years old, how did she write her age?

8. What part of the venn diagram below has not been shaded?



9. Add 101_{two} to 111_{two}.

10. Arrange the following numbers in ascending order;
-1, 2, -3, 6, -5, 0

11. Write 23.32 in scientific form.

12. A drip was put to a patient for $3\frac{1}{4}$ hours from 11:15pm. At what time did they remove the drip?

13. A poultry farm used pictures to count his birds if one  represent 100 birds, draw a pictures he drew to show that he had 500 birds.

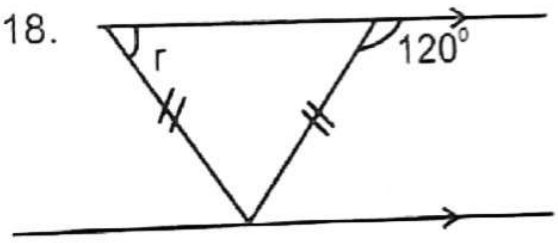
14. Use >, < or = to complete the statement below;

$1.5 \_\_\_\_\_ \frac{12}{8}$

15. In a primary seven class of Bukeeke P. school each candidate among the best five can calculate an Algebric equation in 45 seconds. If all begin at the same time, how long will they take to calculate the same equation?

16. While a P.E class was moving to the field in a file. Mary who was the 21st from the front and tenth from the behind fell down.
How many pupils didn't fall?

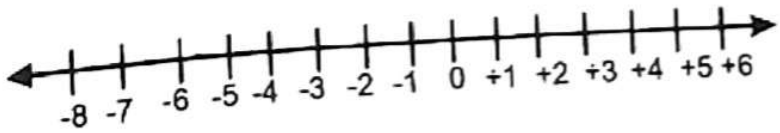
17. Simplify: 2m - 8y - m + 7y

18. 

Find the value of r in degrees.

19. The average weight of three girls is 20kg. If the fourth girl joins the three girls, their average weight becomes 21kg.
What is the weight of the fourth girl?

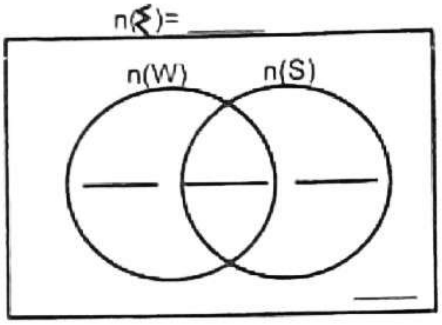
20. Using a number line below find 3X-2



SECTION B (60marks)

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

21. In a village meeting, 50 people took soda (S), 40 people took water (W) only, 10 took neither and 20 took both.
Use the information above to fill the venn diagram below. (5marks)



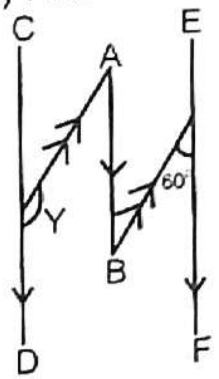
22. At a military training at Kaweweeta Army barracks, 3 guns were shot at intervals at a pass out parade.
Ak27 every 10 minutes, machine gun every 15 minutes and pistol every 12 minutes.
If the three guns were first shot together at 8:00am at what time were they shot for the third time? (6marks)

23. Alex can slash grass in a certain compound in 9 hours. John can also slash the same compound in 12 hours. How long will both of them take to slash the compound at the same time?

24. Using a ruler, a pencil and a pair of compasses only;
(a) Construct a kite ABCD where; Diagnol BD =6cm, Diagonal AC bisects BD at O, line AO=4cm, line BC=8cm. (5marks)

(b) Measure line AB (1mark)

25. Lines CD is parallel to line AB which is parallel to EF.
(a) Find the value of angle y in degrees. (2marks)



(b) The interior angle of a regular polygon is 135°, What is the name of polygon? (2marks)

26. Three villages had the following people who applied for loans in Parish Development Model.

Maputo	240 people
Mayembe	360 people
Menvu	480 people

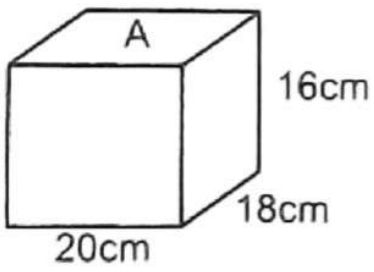
(a) If they were to be grouped equally in all the three villages, What is the biggest number of people a group would have? (3marks)

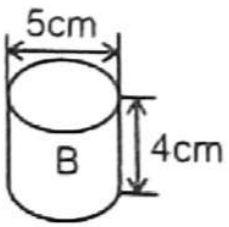
b) How many such groups in (a) would Mayembe village have? (2marks)

27a) Evaluate $4^2 - 3^2 \times 4^0$ (2marks)

(b) Solve and find the solution set in;
$4y + 1 \geq 5y - 1$ (3marks)

28. Given box A measuring 20cm by 18cm by 16cm and cylinder B whose heights is 4cm and radius 5cm.





(a) How many cylinder (B) can be packed in box A? (4marks)

(b) If cylinder B was used to fill sugar in box A, how many cylinders would fill box A?

(2marks)

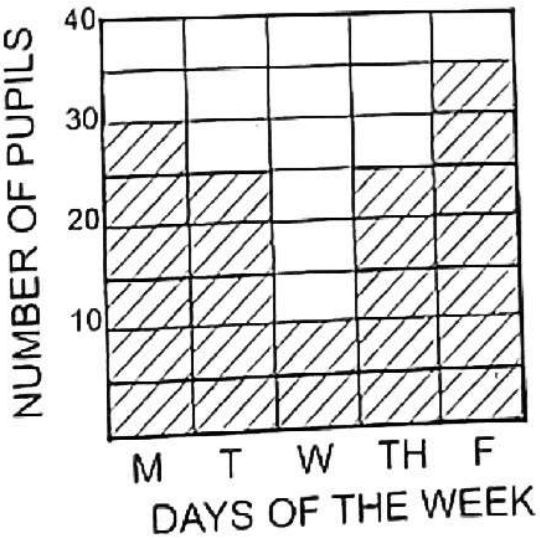
29(a) Evaluate: $\frac{3.6 \times 0.04}{0.36 - 0.3}$

(2marks)

(b) Multiply: $12_{five} \times 32_{five}$

(2marks)

30. The bar graph below shows the number of pupils of a P.5 class whose enrolment was 40; that were absent for the first week in term three, 2024.

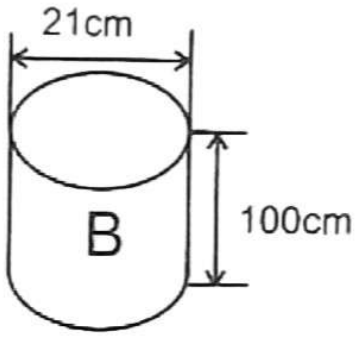


(a) On which day of the week was the attendance highest? (1mark)

(b) Which two days had the same attendance? (1mark)

(c) What was the average attendance of the week? (3marks)

31. The cylinder in the diagram was made from a metallic plate.



(a) What was the area of the plate? (2marks)

(b) What is the perimeter of the plate? (3marks)

32. Mary was moving up the ladder. When she reached the 3rd step sh.5,000 notes started dropping one on each step up to the 12th step.

(a) On how many step did Mary drop the notes? (2marks)

(b) How much money did she drop? (2marks)

****END****