THE E-LEARN EXAMINATIONS BOARD

B.O.TERM ONE EXAMINATIONS 2024

PRIMARY SIX

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Pupil's Name: .....

School Name: .....

District Name: .....

Read the following instructions carefully:

1. Do not forget to write your **school** or **district name** on the paper.
2. This paper has two sections: **A** and **B**. Section **A** has **20** questions and section **B** has **12** questions. The paper has **13 printed pages**.
3. Answer **all** the questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** the working **must** be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks** easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: **"FOR EXAMINERS' USE ONLY"** and boxes inside the question paper

FOR EXAMINERS' USE ONLY		
Qn. No.	**MARKS**	**EXR'S NO.**
1 – 5		
6 – 10		
11 – 15		
16 – 20		
21 – 22		
25 – 26		
27 – 28		
29 – 30		
31 – 32		
TOTAL		

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Turn Over

SECTION A: 40MARKS

Questions **1** to **20** carry one mark each

1. Workout:169+31

2. Amos has 69goats on his farm, express the number of goats using tallies.

3. Write 256 in words.

4. Find the next number in the sequences below.

   1, 3, 5, 7,_____, _____

5. Given that a=5, b=10. Find the value of ab+a.



6. Ntambi covered 78km to the Glory Educational offices, express the distance he covered in metres.

7. Solve for w: 12w=144

8. Name the figure below



9. What number has been expanded to give
(8x1000)+(9x100)+(6x10)+(4x1)?

10. Round off 337 to the nearest tens

Turn Over

11. Set P= {a, b, c). How many subsets are in set P?

12. In a class, there are 97 pupils, express the number of pupils in Roman numerals.

13. What is $\frac{2}{3}$ x 18?

14. What number has been prime factorized to give

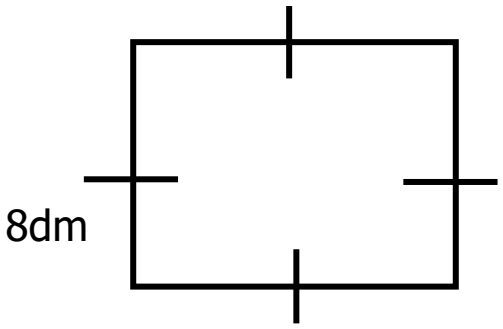
    $\{2_1, 2_2, 3_1\}$?

15. Using a ruler, a pencil, and a pair of compasses only, construct an angle of 60^0



16. How many quarter litres are in a 20litre jerrycan?

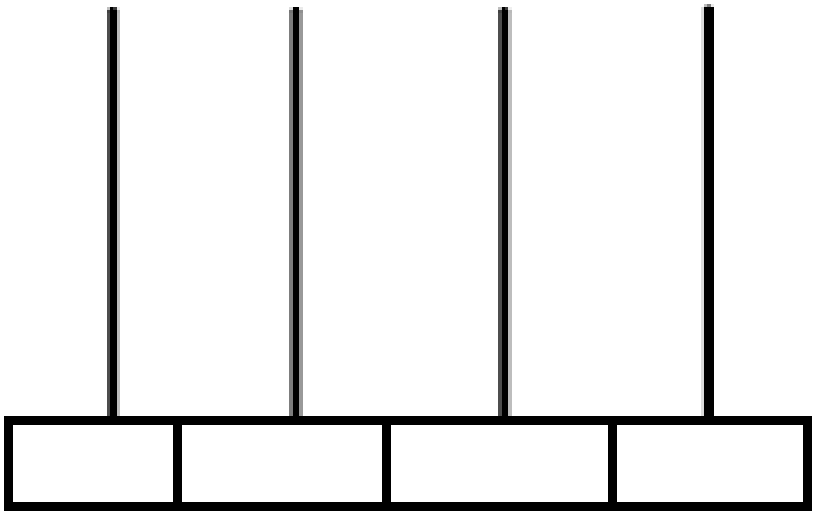
17. Calculate the area of the figure below.



18. Edris spent 720minutes at a workshop in Kampala town, how many hours did he take?

Turn Over

19. Label the abacus below to represent 1,342



20. Abdul is 25 years and Julius is 5years younger than Abdul. How old is Julius?

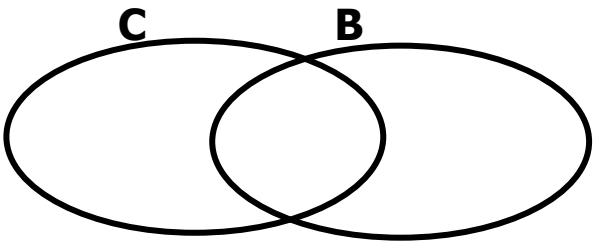
SECTION B: 60 MARKS

Attempt **all** questions in this section

21. Given that:

Set B= {1, 3, 5, 7, 9} and set C= {1, 2, 3, 4, 5, 6}

(a) Represent the above information on the Venn diagram below. *(2marks)*



(b) Find n(C) *(1 mark)*

(c) How many elements are in set B U C?

(2 marks)

22. Edgar is 10 years old and Nassar is 5years older than Edgar.

(a) How old is Nassar?

(2mark)

(b) What is their total age?

(1mark)

(c) What is the difference in their ages?

(2marks)

23. Given the number 1, 234

(a) Expand the above number using place values.

Turn Over

(2mark)

(b) What is the place value of 2 in the above number. *(1mark)*

(c) Find the sum of the place value of 1 and place value of 3 in the above numeral.

(2marks)

24. (a) Workout: 123_{five} *(2marks)*

$+1\ 4_{five}$

(b) Convert 214_{five} to a decimal base

(3marks)

25. In a class of 45 pupils, ⅗ of them are boys and the rest are girls.

(a) What is the fractions of girls?

(1 mark)

(b) How many boys are in the class?

(2marks)

(c) If each boy contributed sh.500 for buying a wall clock. How much did they collect altogether?

(2marks)

26. (a) Workout:

Hours	Minutes
9	20
-3	50

(2marks)

(b) E-Learn Examinations Board set a paper for 2½hours. How many minutes did it take? *(2marks)*

(d) Peter stayed in America for 35days, how many weeks did he take in America? *(1mark)*

Turn Over

27. (a) List all the factors of 12

(2marks)

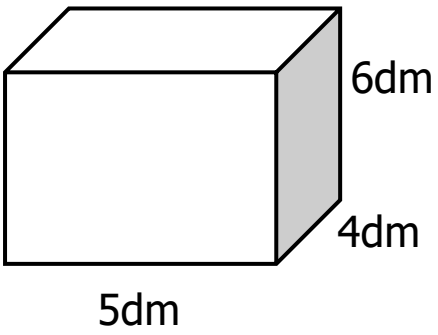
(b) Find the next number in the sequence below;

1, 3, 5, 7,_____ *(1mark)*

(d) What is the LCM of 12 and 36?

(2marks)

28. Study the figure below and use it to answer the questions that follow.



(a) Find the number of, *(1 mark)*

i) faces .....

(b) workout its volume *(2 marks)*

(b) Workout the area of the shaded part in the above figure.
(2marks)

29. (a) Multiply 135 x 45 using lattice method.
(2marks)

(b) Use 2, 5, 0, 9 to answer the questions that follow.

i) Form any two four-digit numerals from the above digits. *(1mark)*

ii) Find the sum of the largest and the smallest numerals formed from the above numerals. *(2marks)*

30. (a) Using a ruler, a pencil and a pair of compasses only, construct a regular hexagon in a circle of radius 4cm. *(4marks)*

Turn Over

(b) Workout its perimeter. *(1mark)*



31. Collin bought the following items at Glory Super market;

2kg of sugar at sh.3200 per kg

1½kg of rice at sh.4000 per kg

$1\frac{1}{4}$kg of onions at sh.6000

(a) Calculate his total expenditure.

(3marks)

(b) If he was given a change of sh.10,000, how much had he at first?

(2marks)

32. (a)In P.7 class, there are  pupils. How many pupils are in P.7class? *(2marks)*

(b) Okello scored the following marks in E-Learn End of term two examinations as shown on the table below;

SUBJECTS	MTC	ENG	RE	SCI	SST
MARKS	96%	87%	98%	96%	93%

i) Which subject did he score the highest mark?

(1mark)

ii) Workout his average score.

(2marks)