

# THE E-LEARN EXAMINATIONS BOARD

P.4 END OF TERM ONE

2024

MATHEMATICS GUIDE

*Time Allowed: 2 hours 15 minutes*



Index No.

EMIS No.						Personal No.		

COMPILED: **TR. OCHOLA FAUSTNE 0789452535**

**TR. WALYAULA SILVER 0786678414**

**TR. MULINDWA HAKIM 0701564376**

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 **14** printed pages altogether.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read 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		
23 – 24		
25 – 26		
27 – 28		
29 – 32		
TOTAL		

## SECTION A:40 MARKS

*Questions 1 to 20 carry two marks each*

1. Subtract:  $84 - 40$

$$\begin{array}{r} 84 \\ - 40 \\ \hline 44 \end{array} \quad \begin{array}{l} 4 - 0 = 4 \\ 8 - 4 = 4 \end{array}$$

2. What is the value of 4 in 9?

TH	H	T	O
9	4	6	5



$$4 \times 10 = 400$$

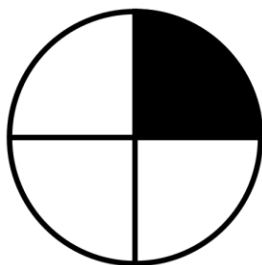
3. Find the next number in the pattern.

19, 17, 15, 13, 11, 9

-2   -2   -2   -2   -2

$$\begin{array}{r} 19 \\ - 12 \\ \hline 07 \end{array} \quad \begin{array}{l} 13 - 2 = 11 \\ 11 - 2 = 9 \end{array}$$

4. Write the shaded fraction in words



$$\frac{1}{4} \text{ A quarter}$$

5. What number has been expanded to get  $(9 \times 1000) + (4 \times 10) + (6 \times 1)$ ?

$$(9 \times 1000) + (4 \times 10) + (6 \times 1) \\ 9000 + 40 + 6$$

$$9,000$$

$$40$$

$$+ 6$$

$$\hline 9,046$$

6. A mother shared 96 mangoes equally among Faith, Keza and Adrian. How many mangoes each will get?

$$96 \text{ mangoes} \div 3 = 32 \text{ mangoes}$$

$$32$$

$$\begin{array}{r} 32 \\ 3 \overline{)96} \end{array}$$

$$31$$

Each will get 32 mangoes

OR

$$\begin{array}{r} 32 \\ 3 \overline{)96} \\ \underline{3 \times 3 = 90} \\ 06 \\ \underline{3 \times 2 = 6} \\ 00 \end{array}$$

Each will get 32 mangoes

7. Write three thousand two hundred eighty nine in figures

$$\text{Three thousand} = 3000$$

$$\text{Two hundred} = 200$$

$$\text{Eighty nine} = + 89$$

$$\hline 3289$$


OR

$$3000 + 200 + 80 + 9 = 3,289$$

8. Add  $\frac{1}{7} + \frac{2}{7} + \frac{3}{7}$

$$\frac{1}{7} + \frac{2}{7} + \frac{3}{7} = \frac{6}{7}$$

$$= \frac{1+2+3}{7} = \frac{6}{7}$$

9. If  stands for 5 flowers, draw pictures to represent 2 flowers

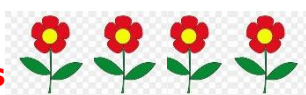
**5 flowers = 1 picture**

**1 flower =  $\frac{1}{5}$  pictures**

**20 flowers =  $\frac{1}{5} \times 20$  pictures**

$$= \frac{20}{5}$$

**= 4 pictures**



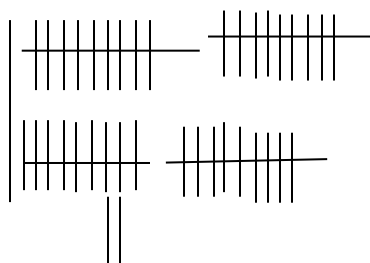
10. A class has 24 girls and 18 boys.  
Draw bundles to show the total number of pupils in the class

**Boys = 18**

**Girls = 24**

**Total**

$$\begin{array}{r} 24 \\ +18 \\ \hline 42 \end{array}$$



11. Simplify :  $M - 4 = 7$

$$M - 4 = 7$$

$$M - 4 + 4 = 7 + 4$$

$$M = 7 + 4$$

$$M = 11$$

12. Kizito has 3 coins of 200 shillings.  
How much money does he have altogether?

**1 coin = 200 shillings**

**3 coins =  $(200 \times 3)$  shillings**

**= 600 shillings**

13. Write 19 in roman numerals.

$$19 = 10 + 9$$

**X IX**

$$19 = XIX$$

14. Calculate the perimeter of the figure below

**Perimeter =  $s+s+s+s+s+s$**

$$P = 3m + 5m + 9m + 3m + 7m + 3m$$

$$P = 30m$$

15. Write the last two months of the year

**November and December**

16. What number is shown on the abacus in words

**Two hundred forty three**

17. Describe the shaded region on the venn diagram

**M ∩ N**

18. If 1 metre = 100 centimeters, how many centimeters are in 9 metres?

**1 metre = 100cm**

$$9m = 9 \times 100cm$$

$$= 900 cm$$

19. What is  $\frac{1}{2}$  of 14 oranges?

$$\frac{1}{2} \times 14 \text{ oranges}$$

$$1 \times 7 \text{ oranges}$$

$$= 7 \text{ oranges}$$

$$\text{OR } \frac{1}{2} \times 14$$

$$= (14 \div 2) \times 1$$

$$7 \times 1$$

$$= 7 \text{ oranges}$$

20. What is the time shown on the clock face below



**It is 20 minutes past 8 o'clock**

**OR 8:20**

## **SECTION B 60 MARKS**

21. Study the two containers below and answer the questions that follow.

- a) Which container holds the least amount of water? (1 mark)

**Container A**

- b) Find the total amount of water that is in the two containers.

**1      0 litres**

**+      2 litres**

**1      2 litres**

- c) How many jugs full of water can fill the bucket?

**2 litres = 1 jug**

**10 litres =  $\left(\frac{10^5 \text{ litres}}{2_1 \text{ litres}}\right)$  jugs**

**5 jugs**

22. Given that  $P = \{a, b, c, \text{den}\}$  and  $R = \{g, o, a, t\}$

- a) Represent the two sets on the venn diagram below. (3 marks)

- b) Find  $n(P \cup R)$  (2 marks)

**$P \cup R = \{b, c, \text{den}, a, g, o, t\}$**

**$n(P \cup R) = 7$**

23. (a) Given the number 1996

- i) Write the given number in words (2 marks)

**TH H T O**

**1 9 9 6**

**One thousand nine hundred ninety nine**

- ii) Show the given number on the abacus (2 marks)

- (b) Write  $(9 \times 1000) + (4 \times 1) + (6 \times 10)$  as a single number (2 marks)

**$(9 \times 1000) + (4 \times 1) + (6 \times 10)$**

**9000+4+60**

**9000**

**60**

**+ 4**

**9064**

24. (a) Wamala has 359 hens on one farm and 406 hens on another farm. How many hens does he have altogether? (2 marks)

**3 5 9**

**+ 4 0 6**

**7 6 5 hens**

**9+6=15**

**1+5+0=6**

**4+3=7**

- (b) There are 178 eggs in a box. If 94 eggs break, how many eggs remain? (2 marks)

**1 7 8 eggs**

**- 94 eggs**

**84 eggs**

**8 - 4 = 4**

**19 - 9 = 8**

- (c) Monalisa sells 40kg of sugar everyday. How many Kg are sold in 3 days? (2 marks)

**1 day = 40kg**

**3 days =  $(40 \times 3)$  Kg**

**= 120kg**

25. Draw these shapes (1 marks each)  
Square, tetrahedron, cone,  
trapezium

26. Swengere is 16 years. Faith is 49  
years younger than Swengere.

a) Who is older? (1 mark)

**Swengere**

b) How old is faith? (2 marks)

**16 years – 4 years**

**=12 years**

c) What is their total age? (2 marks)

**16 years + 12 years**

**= 28 years**

27. Given the digits 4, 0, 8. Use them to  
form

a) The largest 3 digit number

(1 mark)

**840**

b) The smallest 3-digit number

(1 mark)

**408**

c) Find the sum of the values of 8  
and 4 in the largest number  
formed (2 marks)

H	T	O
8	4	0

↓  
**4 × 10**  
**= 40**

**8 × 100**

**= 800**

**Sum**

**800**

**+40**

**840**

28. Work out

a)

$$\begin{array}{r} 24 \\ \times 12 \\ \hline 48 \\ + 24 \\ \hline 288 \end{array}$$

$$4 \times 2 = 8$$

$$2 \times 2 = 4$$

$$1 \times 4 = 4$$

$$1 \times 2 = 2$$

b) **5 7 9 8**

**-1 8 5 8**

**3 9 4 0**

$$8 - 8 = 0$$

$$9 - 5 = 4$$

$$17 - 8 = 9$$

$$4 - 1 = 3$$

c) **7 6 8**

**+5 2 3**

**1 2 9 1**

$$8 + 3 = 11$$

$$1 + 6 + 2 = 9$$

$$7 + 5 = 12$$

29. Study the shape below and answer  
questions that follow.

a) Find the value of Y and X (1 mark  
each)

**Y = 12 cm**

**X = 6cm**

b) What is the total distance around  
the figure given (2 marks)

**Perimeter = L+W+L+W**

**P = 12cm+6cm+12cm+6cm**

**P = 36cm**

c) Work out its area (2 marks)

**Area = L × W**

**A = 12cm × 6cm**

**A = 72cm<sup>2</sup>**

30. Study the magic square below

8	6	6
a <sup>3</sup>	5	b <sup>7</sup>
4	c <sup>9</sup>	d

If the magic sum is 15. Find the value of the missing number a, b, c and d (1 mark each)

$$a = 15 - (8 + 4)$$

$$a = 15 - 12$$

$$a = 3$$

$$b = 15 - (3 + 5)$$

$$b = 15 - 8$$

$$b = 7$$

$$c = 15 - (1 + 5)$$

$$c = 15 - 6$$

$$c = 9$$

$$d = 15 - (6 + 7)$$

$$d = 15 - 13$$

$$d = 2$$

31. A P4 pupil went for shopping and bought the following items.

A pencil at sh. 800

A mathematical set at sh. 4500

A ruler at sh. 500

a) How much is the most expensive item?

**Shs. 4500**

b) What is the cost of a pencil and a ruler? (2 marks)

**Shs 8 0 0**

**+shs 5 0 0**

**Shs 1 3 0 0**

c) Work out the cost of all the 3 items (2 marks)

**Sh. 0 8 0 0**

**Sh 4 5 0 0**

**+sh 0 5 0 0**

**Sh 5 8 0 0**

32. Below is a calendar showing the month of April 2023. Use it to answer questions that follow

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

a) How many days make up the month of April? (1 mark)

**30 days**

b) What day was twelfth according to the calendar?

**Wednesday**

c) What was the last day of the month according to the calendar? (1 mark)

**Sunday**

d) Jamil was born on 24<sup>th</sup> April, on which day will he celebrate his birthday? (1 mark)

**Monday**

e) Find the number of days between 14<sup>th</sup> April and 30<sup>th</sup> April. (1 mark)

**15 days**

**END**