THE E-LEARN EXAMINATIONS BOARD
MID TERM I PROGRESS CHECK
2024
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.	EMIS No.					Personal No.		

Pupil's Name: ……………………………………………………………………….

Pupil's Signature: ……………………………………………………………….

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 **12** 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

*Answer **all** questions in this section.*

*Questions **1** to **20** carry two marks each.*

1. Work out: 46 + 25

2. Write 2024 in words.

    ....

3. Find the sum of the next two numbers in the sequence.

    1,   3,   5,   7, ..., ...

4. Solve for **e**: 1 + 3**e** = 10

5. Given that R={a,b,c,d}. Find the number of subsets in set R.

6. The cost of 2mangoes is Shs. 1200. what is the total cost of 5similar mangoes?

7. Simplify: 3a + a − a

8. Using a ruler, a pencil and a pair of compasses, construct an angel of 45^0 in the space below.

9. Workout : -6 + 4 using a number line.

10. Tr. Emma's daughter weighs **47kg**. Express his daughter's age in Roman numerals.

11. The following are the marks scored by Sarah in end of term exams. 20,60,55,45 and 65. Find her range.

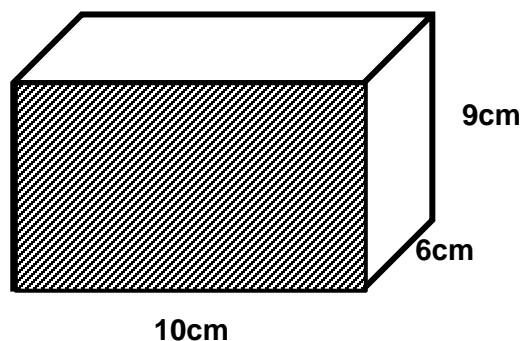12. A dice is tossed once. What is the probability of showing up a number less than 5?.

13. What is the place value of 6 in 79642 using an abacus.

14. Round off **5.467** to the nearest tenths.

15. A P.7 Pupil washed his vest. It took 5 minutes to dry under sunshine. How long will **3 similar vests** take if they are washed and dried under the same sunshine.

16. Find the area of the shaded region on figure below.

9cm

6cm

10cm

17. Arrange **-5, +4, -3, 0, -2, +1, +3** in descending order

18. The distance between Soroti and Mbale is **120**km. A driver took **3hours** to cover it while traveling. Calculate the average speed.

19. Change **240**minutes into hours

20. A tourist from USA entered Uganda with **$8000**. He changed it to Uganda shillings at the rate of Ushs.3700 per US**$**. How much did he get in Uganda shillings?
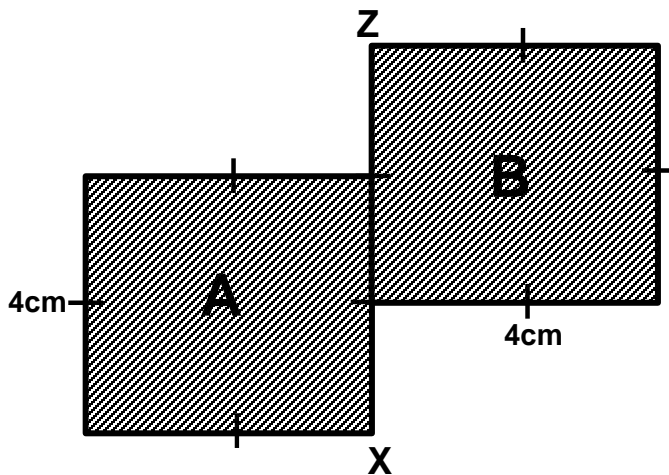
Turn Over

SECTION B: 60 MARKS

*Answer **all** the questions in this section.*

Marks for each question are indicated in brackets.

21. (a) workout: $321_{five} - 43_{five}$ (02marks)

(b) Given that **203_y** = **35_{ten}.** Find base y   (02marks)

22. Below are two equal squares **A** and **B**:
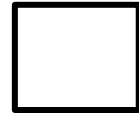

(a) Calculate the area of square **A**   (02 marks)

(ii) calculate the total area of the figure   (02 marks)

(b)   Find the length of line **X Z**

(02 marks)

☐

23.   At Emirates P/S, two bells are used to separate lessons for lower and upper sections which are rang at intervals of 50 and 60 minutes respectively.

(a)   After how many minutes will the two sections hear the bell for break at the same time?   *(03 marks)*

(b)   If the two sections usually go out for break at 10:00am, at what time will they be out again at the same time?   *(02 marks)*

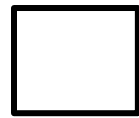(c)   List down all the factors of 6.   *(02 marks)*

Turn Over

24. (a) Divide: **75÷3** *(02 marks)*

(c) Work out: 123×12 *(02 marks)*

25. Assimwe went shopping and bought the following items.

2kg of sugar at Shs. 4000per kilogram

3kg of Rice at Shs. 3200@

2 loaves of bread at Shs. 2000 a loaf

1 $\frac{1}{2}$ kgs of meat at Shs. 6000 per kilogram.

(a) Calculate her total expenditure *(05 marks)*

26. Using a ruler, a pencil and a pair of compasses only.

 (a)   Draw a rectangle ABCD where AB= 7cm and BC =4cm

(04 marks)

 (b)   Calculate the perimeter of the rectangle ABCD above. *(02 marks)*

27. At Kampala Angels Primary school, $\frac{1}{5}$ of the pupils are boys and 300 are girls.

 (a)   What is the fraction of the girls in the school?   *(02marks)*

 (b)   Find the total number of pupils at Kampala Angels primary school *(03 marks)*

Turn Over

28. (a) Expand 2345 using exponents. *(02 marks)*

(b) What number has been extended to give; 7000+600+70+8

(02 marks)

(d) What is the value of 3 in 2345? *(01 mark)*

29. The following are the marks scored by charity in mind term Exams in primary six class.

50, 65, 70, 35, 40. Calculate the;

(a) range *(01 marks)*

(b) median *(02 marks)*

(c) Average mark *(02 marks)*

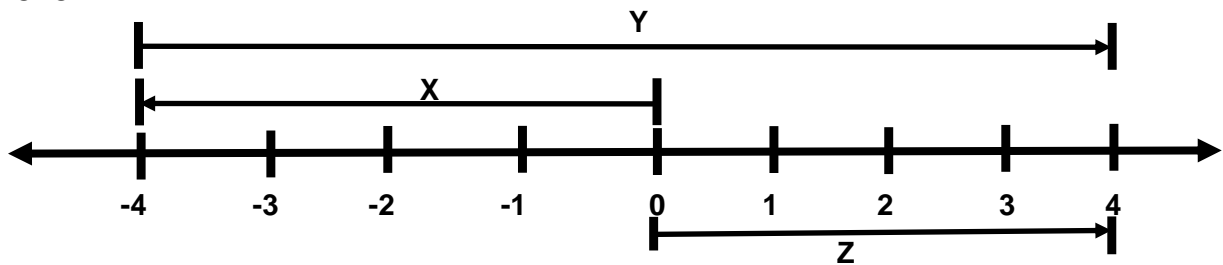30. Given that **a=6**, **b=4** and **c=2**, Find the value of

(a) **a + b +c** *(01 marks)*

(b) **a(b+c)** *(02 marks)*

(c) $\dfrac{a+b}{c}$ *(02 marks)*

31. Study the number line below carefully and answer the questions that follow.

(a) Write the integers represented by the letters *(01 mark@)*

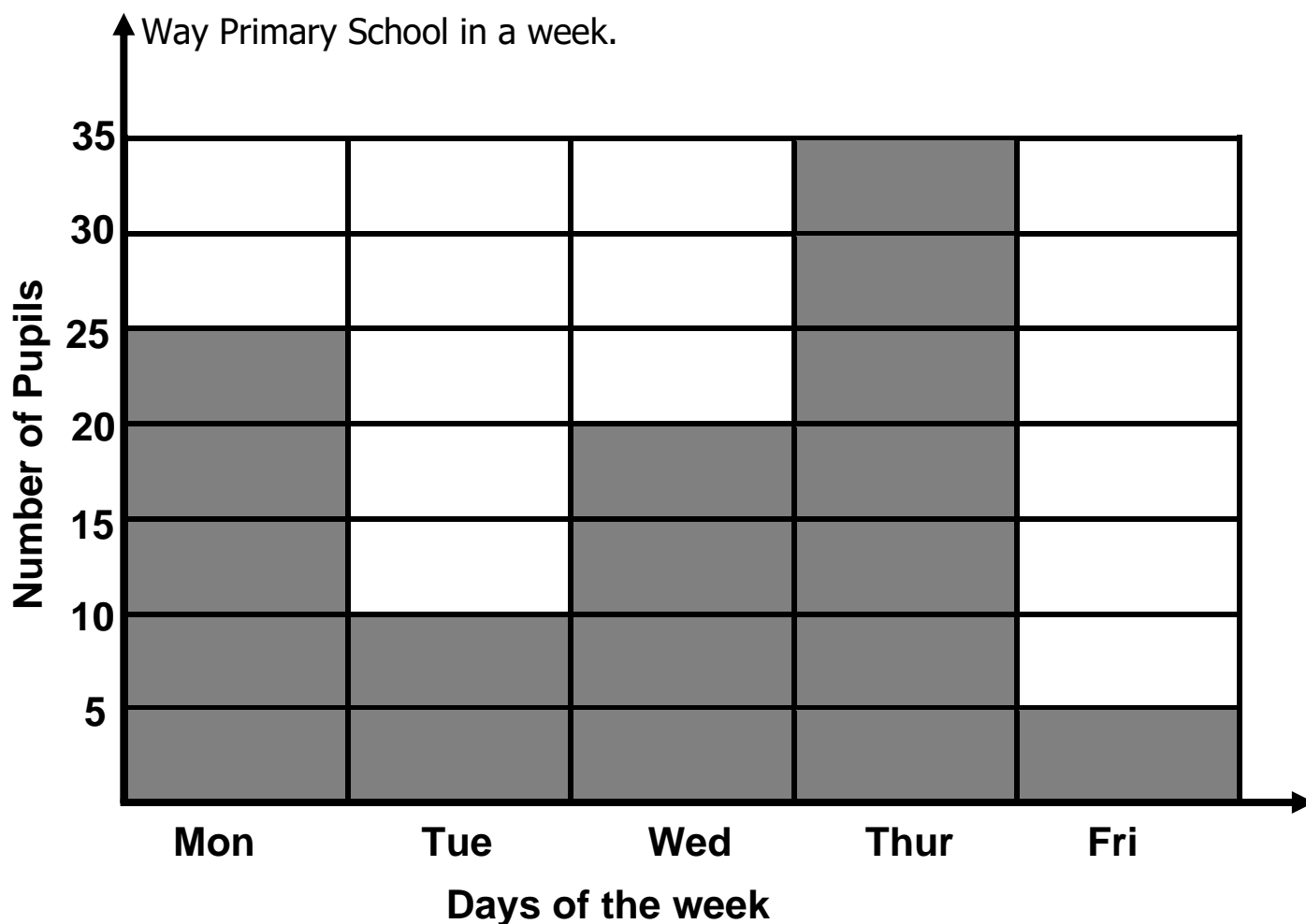(i) x...

(ii) y...

(iii) z...

(b) Write the mathematical statement for the above number line

(02 marks)

32. The bar graph below shows the attendance of P.6 Pupils of Bright Way Primary School in a week.

(a) On which day was the least attendance recorded?

(01 mark)

(b) How many more pupils attended on Thursday than Wednesday?

(02 marks)

(c) How many pupils were absent for the whole week?

(02 marks)

END

ABOUT THE E-LEARN EXAMINATIONS BOARD

The E-Learn Examinations Board emerged during the times of the COVID-19 pandemic, a period marked by widespread disruptions to traditional education systems worldwide. Recognizing the urgent need for innovative solutions to facilitate remote learning, a group of visionary educators and technologists came together to establish the E-Learn Examinations Board.

In response to the challenges faced by educators and learners alike during the pandemic, the board swiftly pivoted to provide comprehensive learning materials tailored to the unique demands of remote education. Understanding that teachers needed support in delivering lessons online, the board developed a range of educational resources and materials, covering various subjects and grade levels. These resources were made freely available to both teachers and learners who had downloaded the E-Learn App.

The E-Learn app was a user-friendly platform designed to streamline the delivery of teaching materials and resources. The app empowered teachers to access a wealth of educational content, including lesson notes, daily and weekly work, instructional videos, and interactive learning activities, all accessible from the convenience of their devices. This innovative tool not only facilitated remote teaching but also fostered collaboration and knowledge sharing among educators.

As the E-Learn app gained popularity among teachers, the board witnessed a remarkable surge in online engagement and participation. The board continued to invest in the expansion and enhancement of its online offerings. This included the development of interactive assessment tools, virtual classrooms, and personalized learning pathways, all aimed at maximizing children's engagement and learning outcomes in the online environment.

Driven by a commitment to excellence and innovation, the E-Learn Examinations Board has emerged as a leader in the field of online education and assessment. Its pioneering efforts bridged the gap created by the pandemic and laid the groundwork for a more inclusive, flexible, and resilient education system for the future.

WHY YOU SHOULD CHOOSE /TRUST THE E-LEARN EXAMINATIONS

1. We create comprehensive and relevant exam content aligned with educational standards/National curriculum.
2. We set a diverse range of questions to assess various aspects of knowledge.
3. We design exams to be accessible to a diverse group of candidates, including those with special needs.
4. We ensure fairness in assessment by considering cultural, linguistic, and regional differences during the marking of mock exams.
5. We gather feedback from candidates and educators to identify areas for improvement.
6. We regularly update exam content and processes based on the current standards.
7. We are always updated with advancements in e-learn technologies for continuous improvement based in teaching and learning.
8. We have established a mechanism for reviewing and validating exam questions, looking at major bodies like UNEB.
9. We provide detailed marking guides for our exams.
10. We are always ready to serve you!

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(Do not join more than one group – they serve the same purpose/content)

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https://chat.whatsapp.com/Hl4bCP9PizX1AQGzNNsqGM

E-LEARN TWO 2 PLATFORM

https://chat.whatsapp.com/DQS63Kgra6DCNtHjhBJKVW

E-LEARN THREE 3 PLATFORM

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E-LEARN FOUR 4 PLATFORM

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E-LEARN FIVE 5 PLATFORM

https://chat.whatsapp.com/HBbl2DaIp715wc9vZMZMwv

E-LEARN SIX 6 PLATFORM

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