EDUCATION GIANTS EXAMINATION BOARD 2023

PRIMARY SEVEN BEGINNING OF TERM II MATHEMATICS

Duration: 2 hours 30 minutes

CANDIDATE'S NAME:.....

INDEX NUMBER:.....

Read the instructions below 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 this paper.
5. Use a blue or black ink ball pen for answering questions. Anything done using a pencil other than diagrams will not be marked.
6. Handwriting which cannot be read easily may lead to loss of marks.
7. Unnecessary alteration of work will lead to loss of marks.
8. Malpractice is highly prohibited.
9. Do not write anything in the table below.

For examiner's use only

SECTION	Marks	Total
A		
B		

Candidates weakness.....

SECTION A (40 MARKS)

1. Work out: 21 — 9

2. If set A has 1 subset, Find the number of elements set A has.

3. Write **14014** in words.

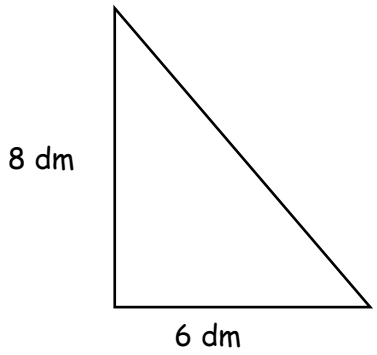
4. In the space below, construct an angle of 255°

5. If ⚽⚽⚽ represent 90 balls, Draw pictures to represent 150 balls.

6. Work out (4.5 ×2) ÷ (4.5 ×2) using distributive property

7. Work out –4 — –2 using a number line.

8. The figure below is a right angled triangle. Find the its perimeter.



9. Find the 99^{th} equivalent fraction of $\frac{2}{5}$.

10. In the line of 17 pupils Nakabuye is 5^{th} from the left. Find her position from right.

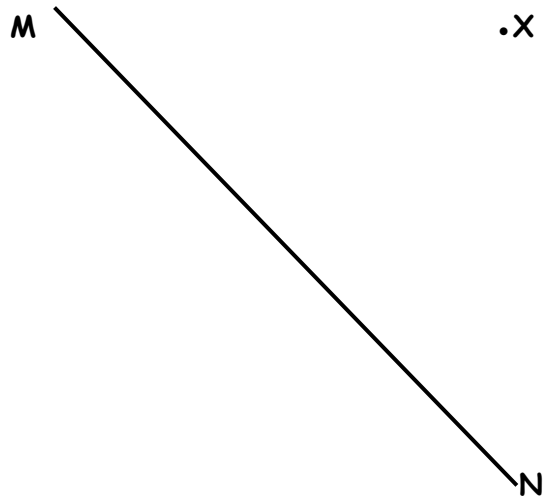
11. What is the difference of supplement and complement of x?

12. Today is Wednesday, 14th June2023. Which day was it 67 days from yesterday?

13. Find the difference of the digit in tenths place and the place value of 6 in 685.9004.

14. Work out: $123_{five} \div 14_{six}$

15. Using a pair of compasses, ruler and a sharp pencil only. Drop a Perpendicular line from X passing through line MN at Q.



16. At St Wilson primary school, two bells were rung together at an interval of 50 minutes and 30 minutes. If they were rung at together at 0815 hours, at what time will they be rung together again?

17. Namakula served visitors 25 litres of milk candidates using a cup of 250ml. How many candidates did she serve?

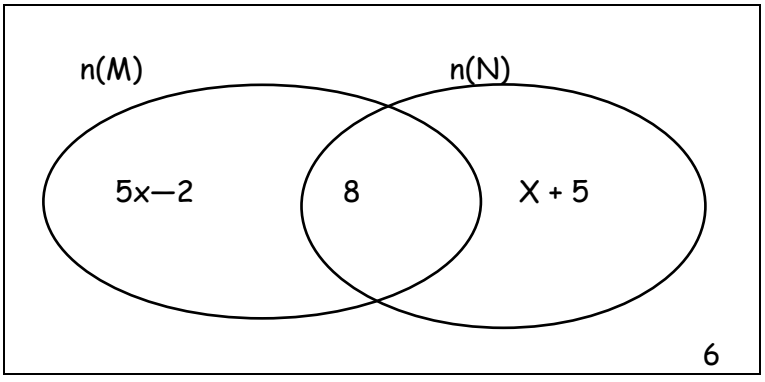
18. Subtract 5m — 4 from 7m — 6.

19. A man started walking at a quarter to 5 O'clock in the morning and reached at 1415 hours. How long did he take to reach his destination?

20. Without dividing show whether 2424 is divisible by 11.

SECTION B (60 marks)

21. Study the Venn diagram below carefully and use it to answer the questions that follow



a) If the probability of people who ate Matoke only is $\frac{18}{41}$, Find the value of x. (2marks)

b) Find the number of pupils who ate Only one type of food. (03 marks)

22. a) Express 0.72 hectares as m^2 (02 marks)

b) Mugisha ran around a square field of area 40000 cm^2 thrice. What distance did he cover in metres? (03 marks)

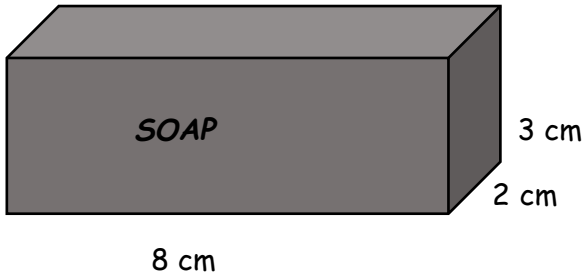
23. a) Write 0.25555 as a common fraction. (03 marks)

b) Evaluate $\frac{4}{5} - \frac{2}{3} \div \frac{1}{2}$ (02 marks)

24. a) Write the value of 4 in 2146 octal base. (02 marks)

b) Change 12 five to a binary base . (03 marks)

25. The figure below is a bar of soap. Study it carefully and answer questions that follow.



a) Find the volume of the soap. (03 mark)

b) Express the number of vertices of soap as a percentage of the total number of edges. (02 marks)

26. Cathy went shopping with five notes of sh. 20000 and bought the following items. Study them carefully and answer questions that follow.

2.5 kg of meat at sh. 14000 per kg.

$4\frac{1}{2}$ litres of cooking oil at Sh.4500 per 500ml.

5kg of rice at sh. 25000.

Calculate her change . (05 marks)

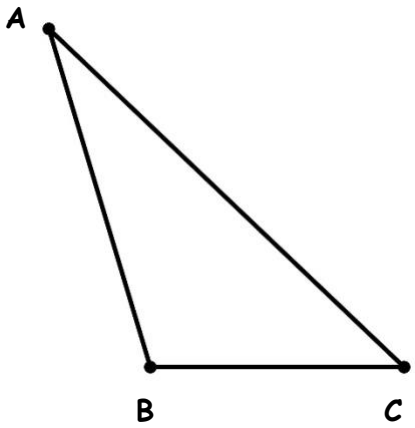
27. a) Using pairs of compasses, ruler and a sharp pencil only. Construct a triangle MTN where MT = 7 cm, NM = 5.5 cm and NMT is 120 °. (04 marks)

b) Measure TNM. (01 marks)

28. a) Anatalia is twice as old as Angel. Angel is ⅓ as old as Elizabeth who is 7 years older than her sister of 23 years. How old was Anatalia 19 years ago in Roman symbols? (03 marks)

b) Subtract 4 — 3m from 6 — 4m. (02 marks)

29. The triangle below is accurately drawn. Calculate its area. (05 marks)



30. A motorcyclist left Tororo for Nairobi at 12:30 am travelling with a steady speed of 60km/hr for $2\frac{1}{2}$ hours. He reached Malaba at 1300 hours where he took lunch for $\frac{1}{4}$ of an hour and then left at speed of 72 km/hr for 3 hours to Nairobi. He travelled back at an average speed of 61 km/hr to Tororo after resting for 45 minutes. Calculate his average speed for the whole journey (05 marks)

31. A man bought 3 dozens of books at sh.36000. He sold 17 books at sh. 2500 each and the remaining, he sold each at Sh. 500 more.

a) How much did he earn after selling all books? (03 marks)

b) Calculate his profit. (02 marks)

32. The table below shows marks scored by twelve candidates in a mathematics test. Study it carefully and answer the questions that follow.

Marks	75	80	87
Number of pupils	2P—4	3	P + 4

a) How many pupils scored 87%? (02 mark)

b) Calculate the arithmetic mean marks. (03 marks)

THE END