# NAMISINDWA DISTRICT ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATIONS
2024

## PRIMARY SEVEN MATHEMATICS

Time allowed: 2 hours 30 minutes

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Candidate's Name:				11.52	ICT.	330	100	145 m
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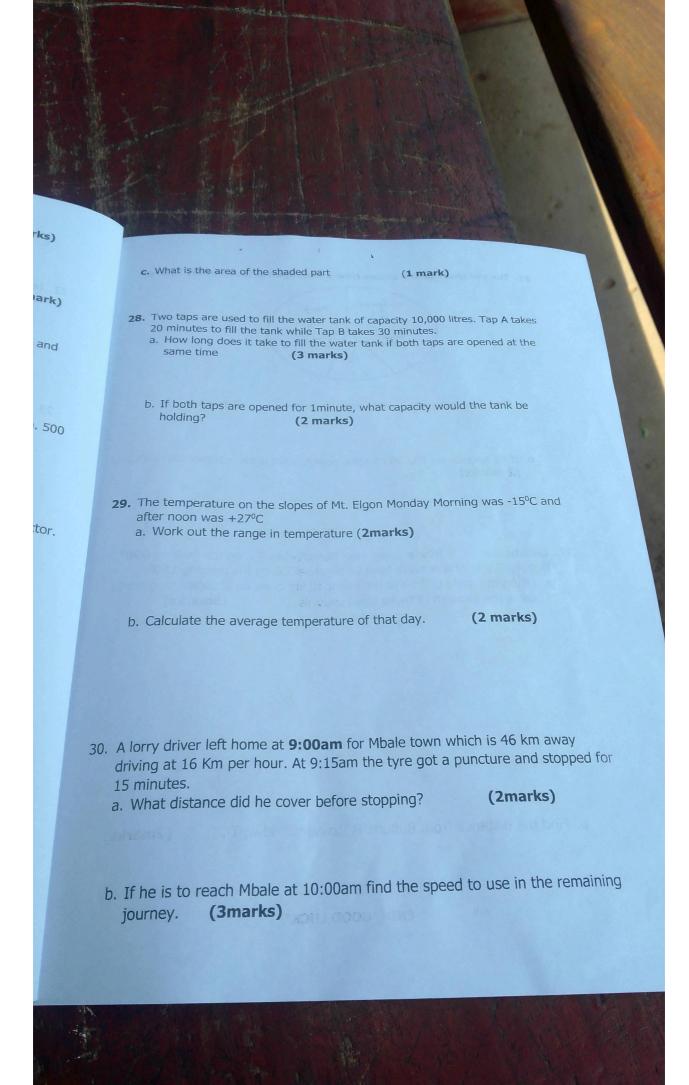
## DO NOT OPEN THIS BOOKLET UNLESS YOU ARE TOLD TO DO SO

### Read and follow these instructions carefully:

- 1. Do not write your school or district name anywhere on this paper.
- This paper has two sections: A and B. Section A has 20 questions and section B has 12 questions. The paper has 8 printed pages.
- 3. Answer all questions. All answers to 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 answer written in pencils other than on graphs and diagrams will not be marked.
- 5. No calculators are allowed in the examination room.
- Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
- 7. Do not fill anything in the table indicated: "FOR EXAMINERS' USE ONLY" and boxes inside the question paper.

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31. The pie chart below shows how a man spends his monthly salary. a. Find the fraction he spends on solar power. (2marks) b. If he spends sh. 60,000 on solar power, what is his monthly salary income? 32. Lwakhakha T.C is **80km** away from Namisindwa T.C on the bearing **090°** and Bubutu T.C is 60km away from Lwakhakha T.C on the bearing 150°. a. Using the scale of 1cm to represent 10 km draw an accurate diagram to show the location of these town councils (3marks) b. Find the distance from Bubutu TC to Namisindwa TC (2marks) b. If he is to reach whole at 10:00am and the speed END "GOOD LUCK"



a. Complete the table.

b. If she went with sh. 50,000 what was her balance?

(1 mark)

28.

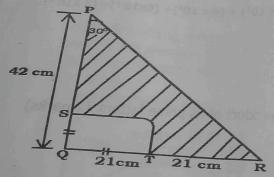
26. Jane bought a 10 litre jerrycan of fresh milk at sh. 10,000. She cooked and packed in polythene bags using 400ml cup for take way customers.

a. How many 400ml cups did she pack? (3 marks)

b. Calculate the amount of money she got after selling cooked milk at sh. 500 each cup. (2 marks)

27. In the figure below PQ=QR=42cm and QT=TR=21cm and QST is a sector.

Study it and answer questions that follow.



a. Find the area of a triangle PQR

(2marks)

**b.** Calculate the area of the sector **QST** 

(2 marks)

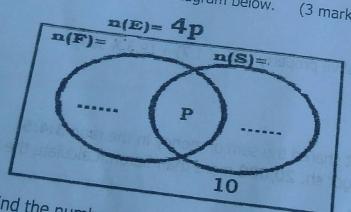
18. In last National Housing and population Census an enumerator could represent = 100 people. Find the number of people represented below.

19. Write the afternoon time shown on the clock face in 24 hour system.



20. Using a pair of compasses, a ruler and pencil only construct an angle of 2250

- 21. On Mary's wedding, 4Pguests were invited. During lunch P guests used both forks(**F**), and **spoons** (**S**) 30 guests used spoons. The number of guests who used forks only were twice those who used both forks and spoons. 10 guests a. Complete the Venn diagram below.
  - (3 marks)



b. Find the number of guests who used both forks and spoons (3mks)

SECTION A (40MARKS)

- 1. Work out: 54+45
- 2. Write **46040** in words.
- 3. Given that set M= (p, I, a, t, e), find the number of subsets in set M.
- 4. Find the next number in the sequence **32**, **33**, **36**,**42**,**52**, \_\_\_\_
- 5. If MTN call charges sh. 20 per minute, how much money does one pay for making a call of 2 hours?
- 6. Simplify: 18y 7m + 5m 16y
- 7. The area of a quadrant below of a circle is **154cm**<sup>2</sup>. Calculate the length of its radius.



- 8. John took 4 hours riding a bicycle at a speed of 30km/h to cover a distance. What distance did he cover?
- 9. Solve for **x**:  $1\frac{2}{3}$ **x** + 5 = 35

