THE REPUBLIC OF UGANDA

HOIMA DISTRICT ACADEMIC BOARD
PRIMARY LEAVING MOCK EXAMINATION, 2022
PRIMARY SEVEN
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Random Number						Personal Number		

Candidate's Name: ....

Candidate's Signature...

School Name:..

District ID:..

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. Do not open this booklet.

2. Do not write the name of your school any where.

3. This paper is made up of two sections A and B.
   Section A has (20 questions) and section B has (12 questions).

4. All answers to both sections A and B must be written in the spaces provided.

5. All answers must be written using blue or black ball pen or ink. All diagrams will be drawn in pencil.

6. Unnecessary changes in your work and handwriting that can't be read easily may lead to loss of marks.

7. Do not fill anything in the table indicated "For examiners' use only" and the boxes inside the question paper.

FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Exrs' No.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

Turn Over

SECTION A: (40 Marks)

Answer all questions in section A. Each question carries 2 marks.

1. Add: 3 6 4
          + 4 7
     _____

2. Simplify: $1\frac{1}{3} - \frac{5}{9}$

3. Nyangoma's working hours always stop at 3:15pm. What is this time in 24 hour clock?

4. Work out: 3+5 = _____(finite 8)

5. What is the median of:
    65kg, 60kg, 70kg, 58kg, 60kg?

6. Nyangendo's monthly salary is sh.48000. If her salary is increased to 20%, What will be her new salary?

7. Write in words: 90,043.

8. A woman sells her juice in a quarter litre containers. How many such containers will she sell from her five litre jerricans.

9. Round off 8654.6 to the nearest hundreds.

10. Using a pair of compasses, ruler and pencil only. Construct an angle of 135° in the space provided below.

11. Use the distributive property to calculate: (36 x 100) + (100 x 64).

16. Given that: a = 3, b = 2 and c = -1
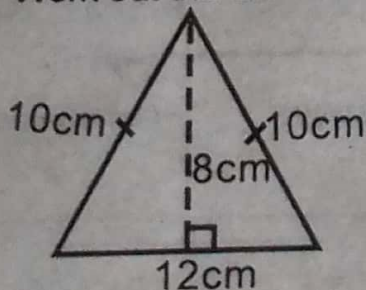Find the value of : $\dfrac{2b(a+c)+ac}{a+b}$

12. At Kibugubya Primary School, the Mock Mathematics Examination 2021 ended at exactly 11:30am. If the examination had a duration of 2 hours 30 minutes. At what time did it start?

17. 6 men can paint a house in 9 days. How many more men are needed to paint the same house in 3 days?

13. Given that set: P = {a, b, c}.
Find the proper sub-set in set P.

18. Write CDXCVI in Hindu Arabic Numerals.

14. Add metres centimetres
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7 5      8 4
+ 7      5 6
_____
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19. Express 20mls in km/hr.

15. Work out the area of the triangle below.

10cm   8cm   10cm
              12cm

20. Find the next number in the sequence: 1, 4, 9, 16, 25, _____.
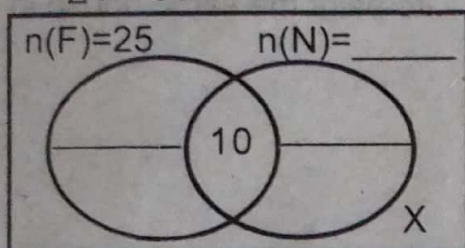
SECTION B: (60 Marks)

Answer all questions in this section. Marks for each question are indicated in the brackets.

21. The venn diagram below shows 65 pupils who participated in Hoima District ball games competitions at all levels in foot ball (F) and Netball (N). 25 pupils participated in football, 35 pupils participated in netball only while 10 pupils participated in both games and X did not play any game.

(a) Fill in the missing regions.   *(3marks)*

$\Sigma := 65$

n(F)=25   n(N)=_____

10

X

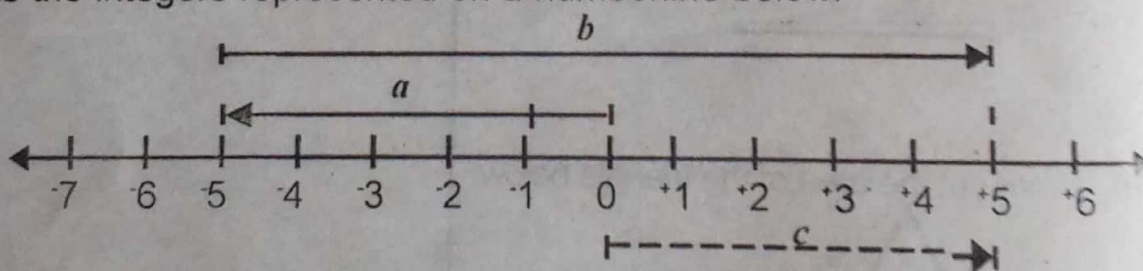(b) Find the value of x.   *(2marks)*

(c) If a pupil is picked at random, what is the probability of choosing a pupil who plays only one game?   *(1mark)*

22. Write the integers represented on a numberline below:

b

a

-7 -6 -5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5 +6

c

(a) Name the integers represented by letters above.   *(1mark each)*

$a =$ _____

$b =$ _____

$c =$ _____

(b) Write the mathematical statement above.   *(1mark)*

23. Calculate the amount of money Janepher will take back to the bank which borrowed her sh.480000 at an interest rate of 12% per annum after 3 years.

(4marks)

24. (a) Add 243_{five} + 123_{five}

(3marks)

(b) Change 323_{four} to base three.

(3marks)

25. Jackline went to the supper market and shopped the following items:
$1\frac{1}{2}$ litres of cooking oil at sh.2500 per 500mls.
2 bars of laundary soap at sh.8000.
If Jackline remained with sh.2100 with her. How much money did she have at first?

(4marks)

26. (a) Workout: $\dfrac{3.6 \times 2.4}{0.6 \times 0.09}$ *(3marks)*

  (b) Evaluate:

    $1\frac{1}{4} \div 1\frac{1}{2}$ of $\frac{1}{3}$ *(2marks)*

27. Mr. Kirungi shared a certain amount of money to his three sons John, Jovan and Joshua in a ratio of 2:4:6 respetively. If Joshua shared 24000 more than Jovan. How much money did Mr. Kirungi share to his children? *(6marks)*

28. (a) Using a pair of compasses, a ruler and a pencil only. Construct a parallogram PQRS where $\overline{PQ} = \overline{RS} = 8cm$.
    $\overline{PS} = \overline{QR} = 5cm$ and angle QPR = 45°   *(4marks)*

(b) What is the length of the shorter diagonal $\overline{QS}$ (1mark)

29.(a) Solve for P: $4(3p - 3) = 3(2P + 2)$.   (3marks)

(b) Write down the solution set satisfying: $4 \leq x \leq 3$.   (1mark)

30. (a) If the size of an interior angle of a polygon is 3 times its exterior angle, How many sides have the polygon?   (3marks)

(b) Name the polygon and find its interior angle sum.   (3marks)

Marks	40	45	50	60	70	85
No of pupils	1	2	2	3	1	1

31. The table below shows marks scored by different pupils of P.7 in Kyabasengya Primary School. Study it and answer the questions that follow. **(2marks)**

   (i) How many pupils did the test?

   (ii) What was the modal mark? **(1mark)**

   (iii) What was the median mark? **(1mark)**

   (iv) Calculate the mean mark. **(2marks)**

32. Link bus left Hoima town at exactly 7:00am. The bus reached Kigumba town at exactly 10:00am moving at a steady speed of 60km/hr. How far is Kigumba town from Hoima town? **(4marks)**

END*