THE REPUBLIC OF UGANDA

HOIMA CITY PRIMARY SCHOOLS ACADEMIC BOARD

PRE-PRIMARY LEAVING EXAMINATION, 2024

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Random Number						Personal Number		

Candidate's Name:.....

Candidate's Signature.....

School Name:.....

District ID:.....

Read the following instructions carefully:

1. This paper is made up of **two** Sections: **A** and **B.**
2. Section **A**, has **20** short-answer questions **(40 marks)** and Section **B** has **12** questions **(60 marks)**
3. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a blue or black ball - point pen or fountain pen. Only diagrams should be done in pencil.
5. No calculators are allowed in the examination room.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated **"For examiners' use only"**

FOR EXAMINERS' 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

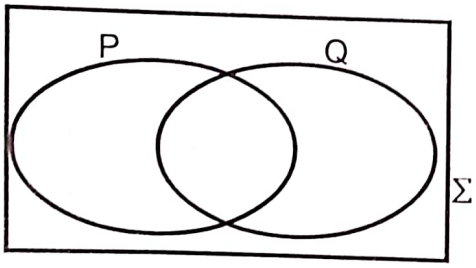
SECTION A: (40 Marks)

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

1. Workout: $24 \div 8$

2. Write 10506 in words.

3. Shade $P \cap Q$ complement in the diagram below.



4. Simplify: $6 - {}^{-}6$

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

6. Express $3\frac{1}{2}$ kg to grammes.

7. Given that ◯ represents 18 eggs, how many eggs are represented by the pictures below.

◯◯◯◗

8. Collect the like terms and simplify:
   $9m - 5n - 4m + 8n$

9. A motorist covered 480km in 6hours. Calculate his average speed.

10. With the help of a pair of compasses and a ruler, construct an angle of 150^0 in the space below.

11. Decrease 1200kg by 20%.

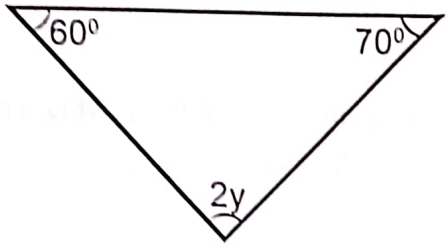
12. Kapere borrowed sh.240,000 from a village SACCO at an interest rate of $12\frac{1}{2}\%$ per year for 6 months. Find how much interest Kapere paid back after the 6 months.

13. Find the sum of the next two numbers.
2, 3, 5, 7, _____, _____

14. What is the number whose standard form is $4{\cdot}865 \times 10^4$?

15. An examination started at 8:45am and lasted for 1 hour and 20 minutes. At what time did it end?

16. Use the diagram below to answer the questions that follow.



Find the value of y.

17. Given that set M has 31 proper subsets, how many elements are in set m?

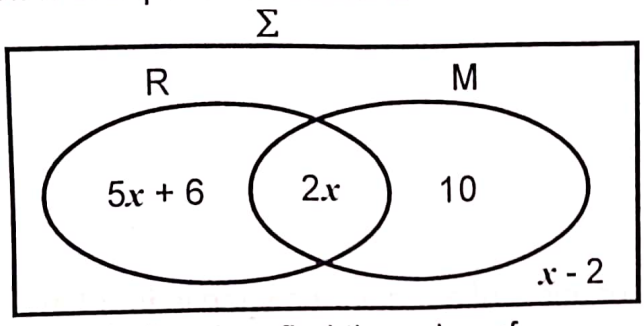
18. Solve: $3p - 6 = -12$

19. Write XLV in words.

20. The LCM of two numbers is 180 and their GCF is 6, find the second number if the first number is 30.

SECTION B: (60 Marks)

21. The Venn diagram below shows the number of pupils who like matooke (M) and those who like rice (R). Study it carefully and answer the questions about it.



(a) If 20 pupils like rice, find the value of x. *(2marks)*

(b) Find the probability of picking a pupil who does not like rice. *(3marks)*

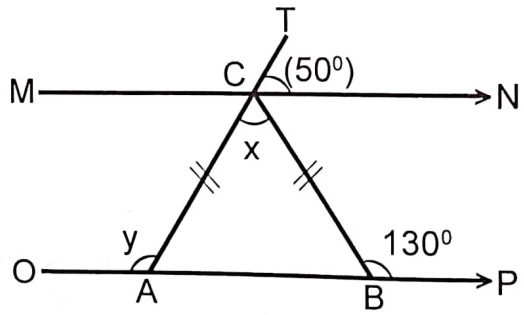
22. The Headteacher distributed some text books among three classes where each child got a text book in P6, P5 and P4 in the ratio of 3:7:5 respectively If P5 class got 42 text books.

(a) How many children are in the three classes. *(4marks)*

(b) How many more children are in P.4 than P.6? *(2marks)*

23. (a) Given that the interior angle of a regular polygon is four times its exterior angle, name the polygon. *(2marks)*

(b) In the diagram below, MN is parallel to OP. ABC is a triangle, angle TCN is 50^0 and angle CBP is 130^0. Study it carefully and answer the questions that follow.



Find the size of; *(2marks each)*

(i) angle y

(ii) angle x

24. Given the numeral 46,352

(a) Expand the above numeral using exponents. *(2marks)*

(b) Find the quotient of the value of 6 and the place value of 5 in the given numeral. *(2marks)*

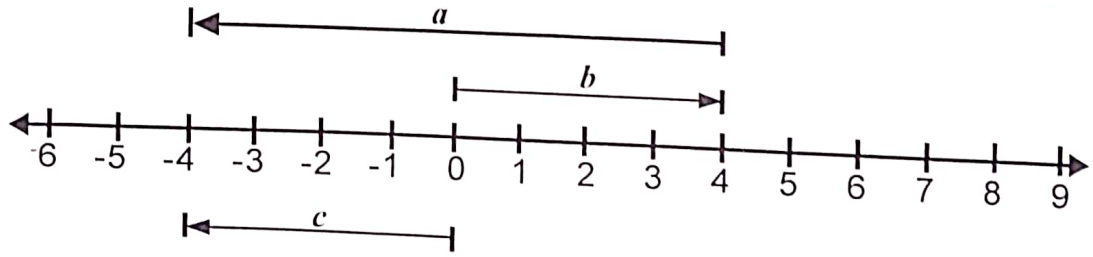
25. Esau travelled at a speed of 50km/hr from town X to town W.
He travelled from town W back to town X at a speed of 70km/hr.
The total time taken for the whole journey was 6 hours.

(a) Find the distance between the two towns X and W. *(3marks)*

(b) How much time did he take on the return journey? *(2marks)*

26. At Mr. Malaika's supermarket a basin costs twice the cost of a ruler and a pen costs sh.2000 less the cost of a basin. If Mr. Kadoma bought the three items at sh.8000. Find the cost of each item. *(4marks)*

27. Study the number line and use it to answer the questions that follow.



(a) Identify the integers represented by; *(1mark each)*

a represents _____

b represents _____

c represents _____

(b) Write the mathematical sentence for the above number line. *(1mark)*

28.(a) Using a ruler and pair of compasses ONLY, construct a parallelogram PQRS where PQ = 6cm, QR = 5cm and angle SPQ = 60^0. *(4marks)*

(b) Drop a perpendicular line from S to cut PQ at X; *(1mark)*

29. Bosco went shopping and bought the items below.

Item	Quality	Unit cost	Total cost
Bread	3 loaves	sh.5500	sh._____
Soap	_____ bars	sh.6000	sh.12,000
Wheat flour	2kg	sh._____	sh.16,000
GRAND TOTAL			sh._____

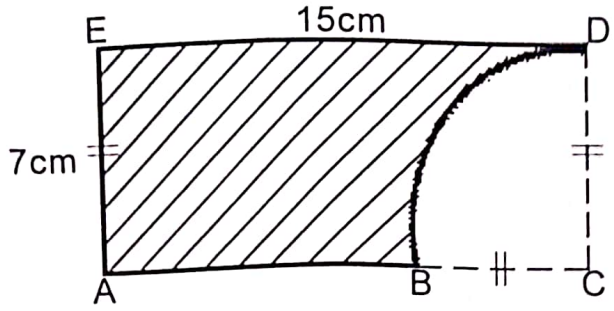
(a) Complete the table above. *(4marks)*

(b) If he was given a 10% discount, how much did he pay? *(2marks)*

30.(a) Workout: $111_{two} \times 11_{two}$ *(2marks)*

(b) Given that $34_y = 31_{six}$ work out the value of the unknown base. *(3marks)*

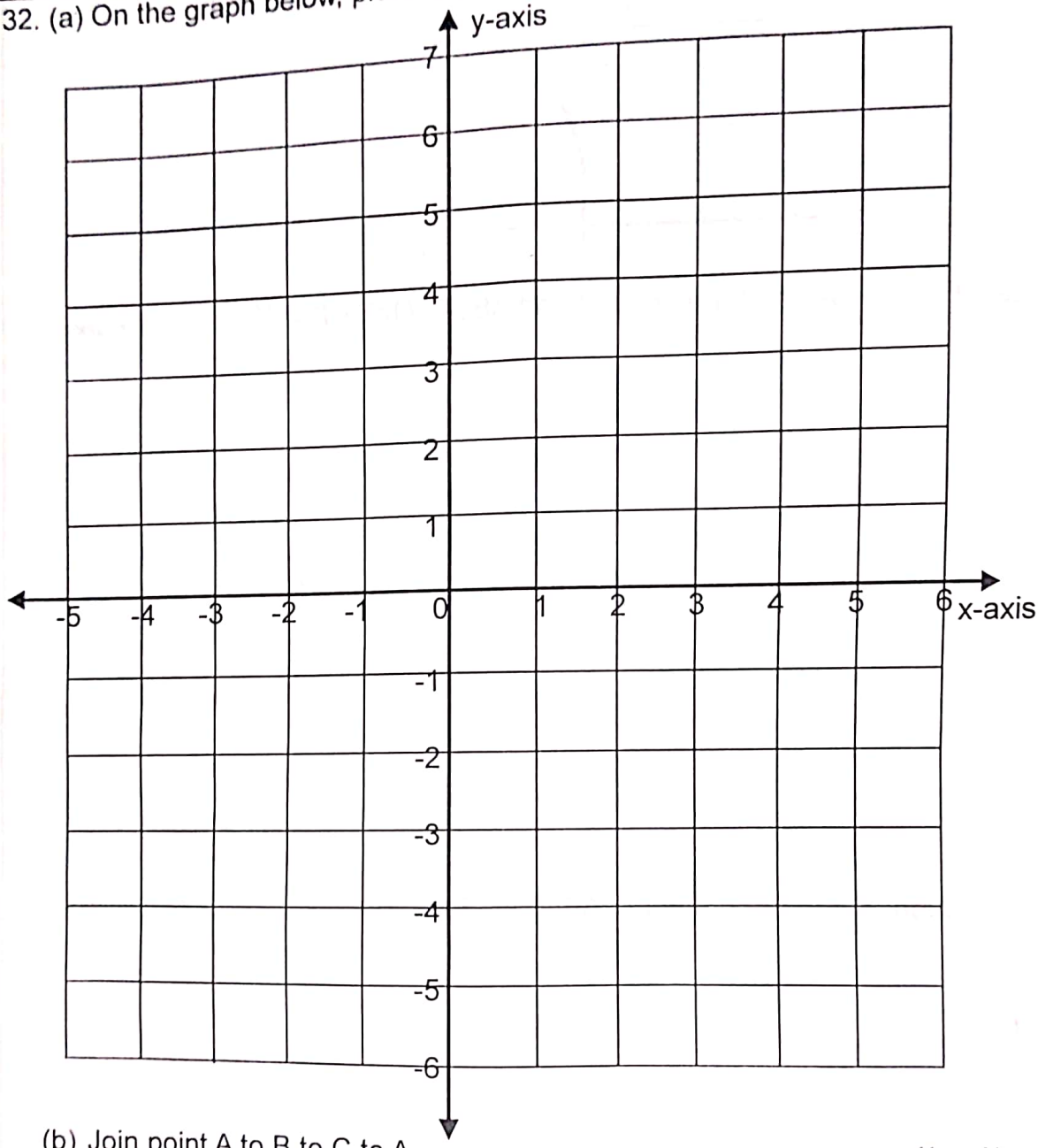
31. Study the figure below and answer the questions about it.



(a) Find the area of the shaded part ABDE. (Take $\pi = \frac{22}{7}$). *(3marks)*

(a) Work out the perimeter of ABDEA. (Take $\pi = \frac{22}{7}$). *(2marks)*

32. (a) On the graph below, plot the points; A(0, 3), B(⁻4, ⁻3), C(4, ⁻3). ***(3marks)***



(b) Join point A to B to C to A. ***(1mark)***

(c) Find the area of the figure formed. ***(1mark)***

END