

GREENHILL ACADEMY

PRIMARY SCHOOL

END OF TERM ONE EXAMINATION 2024

CLASS : P.7

SUBJECT : MATHEMATICS

TIME ALLOWED : 2 HOURS 30 MINUTES

Name _____ Stream _____

Campus _____

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

Read the following instructions carefully

1. This paper has two Sections: A and B.
2. Section A has 20 answer questions (40 marks)
3. Section B has 12 questions (60 marks)
4. Answer ALL questions. Answers to both sections must be written in the spaces provided.
5. All answers must be written using blue ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the box indicated for examiner's use only.

For Examiner's use only	
A	
B	
TOTAL	

SECTION A (20 QUESTIONS - 40 MARKS)

1. Add:

$$\begin{array}{r} 232 \\ + 143 \\ \hline \end{array}$$

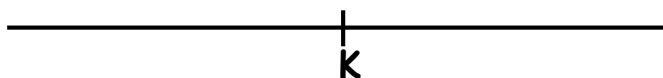
2. $A = \{\text{ball, pencil, bottle}\}$. Find $n(A)$.

3. Mukwano factory packs 25 bars of soap in each box. If it makes 116 boxes per day. How many bars of soap are made per day?

4. List prime numbers less than 10 and find their product.

5. Kirimwika spent $\frac{1}{3}$ of his salary. If he spent Shs.190, 000. How much was his salary?

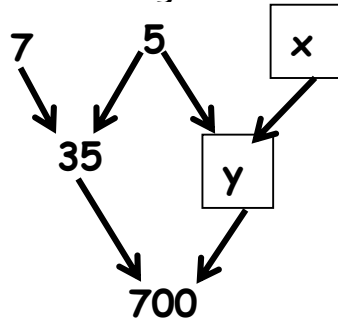
6. Using a pair of compasses, ruler and pencil only, construct an angle of 90° at point K.



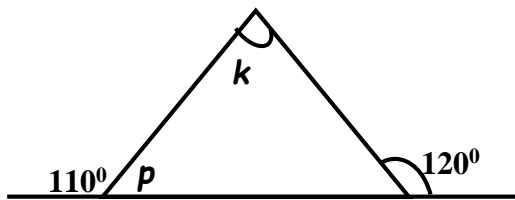
7. How many coins of Shs.500 can be got from a twenty thousand shilling note?
8. Samuel went to sleep at 2240 hours. At what time did he sleep in a 12 hour clock system?
9. The area of a square is 25mm^2 . Find its perimeter.
10. If $x = 4$ and $3x + 2y = 30$, find the value of y .
11. Find the median of the following; 10 , 0 , 5 , -5 , -7.
12. Write this in figures: Thirty six hundredths.

13. The average age of 6 boys is 12 years. If the seventh boy joins them, the average age becomes 17 years. How old is the seventh boy?
14. A farmer planted 400,000 seeds in a nursery bed. If there are 250 seedlings in each row, how many rows did the farmer make?
15. Change 2.5kg into grammes.
16. Divide: $1\frac{3}{12} \div \frac{12}{15}$

17. Fill in the missing numbers x and y .



18. Use the diagram below to find the value of k .



19. Use the table below about buying and selling prices (exchange rates) of different currencies in Uganda at DFCU bank.

Currency	Buying	Selling
1 pound £	Ug.Shs.4450	Ug.Shs.4490

A tourist arrived in Uganda with £ 165. How much money in Ug. Shillings will the tourist get from the bank?

20. Ntuyo will start his holidays on Wednesday 26th July 2024. He will return to work on 19th August 2024. What day of the week will he return to work?

SECTION B

21. (a) Calculate
 $3 + 8 \times 4$

(2 marks)

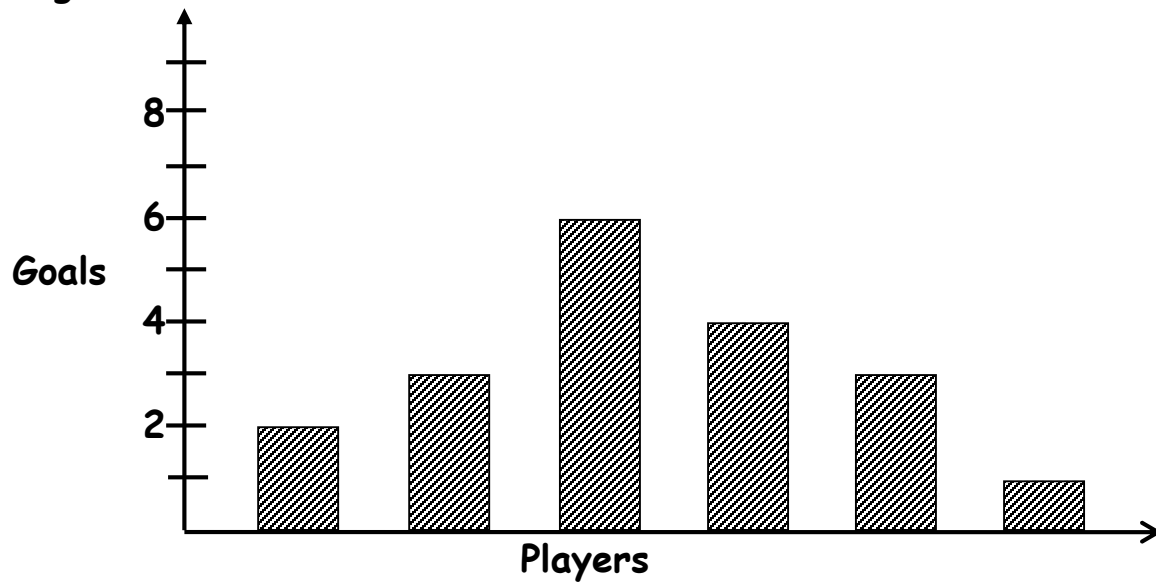
- (b) A truck from Kallansi factory was carrying 21687 bricks. When the truck hit a pot hole, 12862 bricks broke. How many bricks remained intact?

(3 marks)

22. A man walked a total of 60km for 3 days. Every day, he walked 4km less than the day before. How many kilometres did the man walk the last day?

(5 marks)

23. Six football players take shots at goal. The graph shows the number of goals scored by each player. Joel scored the most goals and Andrew the least.



- (a) How many more goals did Joel score than Andrew? (2 marks)
- (b) Calculate the average score for all the six players. (3 marks)

24. Jonah got pancakes from the class teacher. He gave half of them to his friends and $\frac{1}{3}$ of the remainder to his brother. She ate the remaining 12 pancakes. How many pancakes did he get from the class teacher? (5 marks)

25. The bill below was prepared by Amandy to buy items from a shop. Study it carefully and find the missing parts.

ITEM	QUANTITY	UNIT COST	TOTAL
Rice	2 kg	Shs. 3,500	Shs. _____
Meat	$2\frac{1}{2}$ kg	Shs.10,000	Shs. _____
Sugar	_____ kgs	Shs.1,200	Shs. 2,400
Bananas	2 bunches	_____	Shs. 6,000
Total expenditure			Shs. _____

- (a) Complete the bill by filling in the missing information. (3 marks)

(b) If she had a fifty thousand shilling note, find her change.

(2 marks)

26. With the help of a ruler, sharp pencil and a pair of compasses only, construct a rectangle PQRS in which $\overline{PQ} = 8\text{cm}$ and $\overline{QR} = 6\text{cm}$. Draw in the diagonals and let their intersecting point be O.

(3 marks)

b) Measure; (i) \overline{PR}

(1 mark)

(ii) $\angle POQ$

(1 mark)

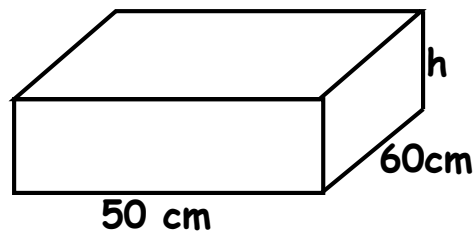
27. (a) Kabanda is LXXV years old. Express his age as Hindu Arabic numerals. (1 mark)

(b) Change 213_{four} to base ten. (2 marks)

(c) Subtract: (2 marks)

$$\begin{array}{r} 101_{\text{two}} \\ - 10_{\text{two}} \\ \hline \end{array}$$

28. Find one of the sides of a rectangular prism tank marked by h .



(a) Find the height of the prism if the volume is 120000cm^3 . (3 marks)

(b) How many litres of milk can fill the above tank? (2 marks)

29. (a) In a class of 40 pupils, 25 are boys. Express the number of girls as a fraction of the whole class. **(2 marks)**

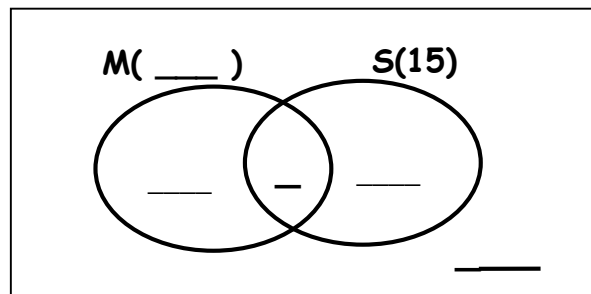
- (b) Change $\frac{3}{4}$ to a decimal fraction. **(1 mark)**

- (c) Simplify : $(\frac{3}{5} - \frac{1}{3}) \div \frac{1}{5}$ **(2 marks)**

30. Maria had 28 dreams last month. If 16 of them involved monkeys (M) , 15 involved Squirrels (S) and 4 involved no animals.

- (a) Use the information to fill the Venn diagram below.

$$n(\Sigma) = \underline{\hspace{2cm}}$$



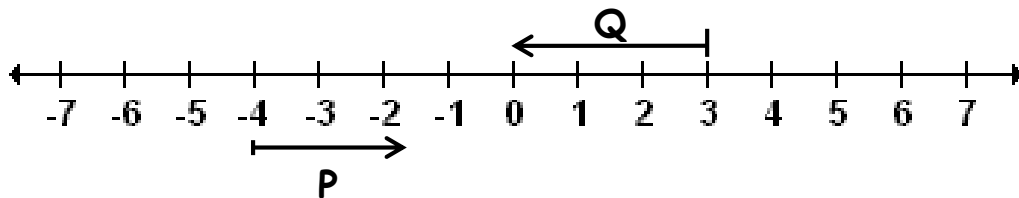
(3 marks)

(b) How many dreams involved both animals?

(2 marks)

31. A bus travelling at 60km/hr took 4 hours to cover part of the journey. The rest of the journey was covered in 2 hours at a speed of 45km/hr. Calculate the average speed of the bus for the whole journey. (5 marks)

32. Use the number line given below to answer questions that follow.



- (a) Write the additive inverse of the following lines. (1 mark @)

(i) $P =$ _____

(ii) $Q =$ _____

(b) $2 \times -17 =$

(c) $+16 \div -2 =$

(d) $-2 - 4 =$