

GREENHILL PRIMARY SCHOOL BUWAATE

PRE-END OF TERM ONE ASSESSMENT 2023

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: (40 MARKS)

1. Work out: $\begin{array}{r} 3 \quad 3 \\ \times \quad 3 \\ \hline \end{array}$

2. Write XLV in Hindu Arabic numerals.

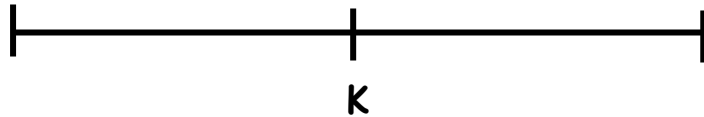
3. Simplify: $7m - 2n + m + 3n$

4. Given that $P = \{a, d, t, n\}$ and $Q = \{a, k, n\}$

Find $n(P - Q)$

5. Express 1001_{two} in decimal base.

6. Using a pair of compasses, a sharp pencil and a ruler only, construct a perpendicular line at point K.

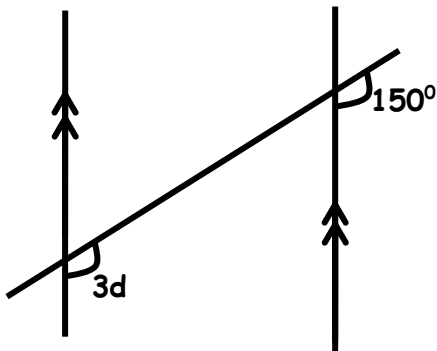


7. Simplify: $2\frac{1}{2} \div \frac{3}{4}$

8. The average mass of 3 boxes is 80kg. If two of them weigh 89kg and 86kg, find the mass of the third box.

9. Find the value of n if $2 - 4 = n$ (finite 5)

10. In the diagram below, find the value of d .



11. Simplify: $-8 + +3$

12. Find the next number in the sequence.

1, 3, 6, 11, 18, _____

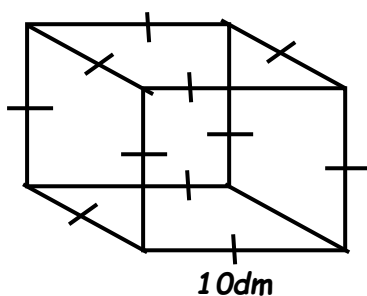
13. A motorist drove at 48km/h for 30 minutes. Find the distance he covered.

14. Solve: $2(w - 3) = 18$

15. After selling a trouser for sh.45000, a trader realized a loss of sh.15000. How much did he buy it?

16. An examination of $2\frac{1}{2}$ hours began at 7:45am. At what time did it end?

17. Calculate the total surface area of this figure.



18. A box contains 50 pens. If $\frac{3}{5}$ of them are blue and the rest are red, find the probability of randomly picking a red pen.

19. Express 500g as a percentage of 2kg.

20. Work out $(75 \times 12) + (12 \times 25)$ using distributive property.

SECTION B:

21. Given the numeral. 9 6 7 0 5,

(a) Write it in words. (2 marks)

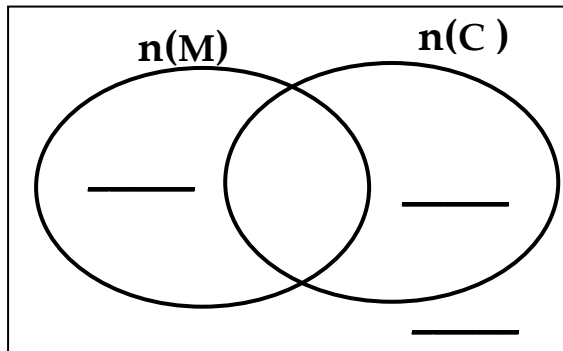
(b) Round it off to the nearest thousands. (2 marks)

(c) Divide the place value of 7 by 2. (1 mark)

22. In a group, $(2y + 3)$ pupils like matooke (M) only, y like both matooke and cassava, 15 pupils like cassava (C) while 4 pupils like none of the food stuffs.

(a) Complete the Venn-diagram below.

(3 marks)



- (b) Given that 30 pupils like only one food stuff, find the value of y .

(2 marks)

23. (a) Using a ruler, a sharp pencil and a pair of compasses only, construct a triangle MTC such that $MT = 6\text{cm}$, $\angle MTC = 120^\circ$ and $TC = 5\text{cm}$.

(4 marks)

(b) Measure **TMC**

(1 mark)

24. A certain amount of money was shared among three candidates Joan, John and Janine in the ratio of 3 : 4 : 7 respectively.

(a) If Janine got sh. 35000, how much money did they share altogether?

(3 marks)

(b) How much money did Joan and John get altogether?

(2 marks)

25. A woman went shopping and bought these items as shown in the table below.

Item	Quantity	Unit cost	Amount
Sugar	_____ kg	Sh. 4000	Sh. 12000
Tea leaves	750gms	Sh. 2000	Sh. _____
meat	$2\frac{1}{2}$ kg	Sh. 14000	Sh. _____

		Total	Sh. _____
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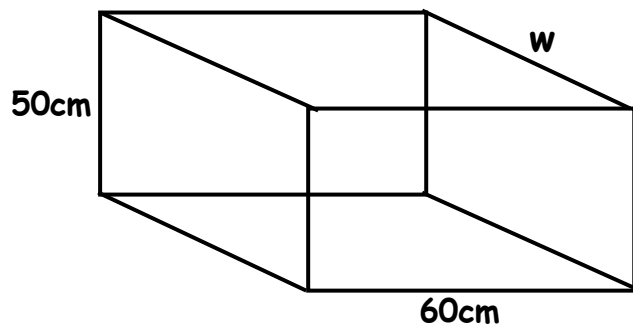
(a) Complete the table. (4 marks)

(b) If she was given a discount of sh. 500, how much did she pay? (1 mark)

26. (a) Subtract $(x - 4)$ from $(4x + 7)$ (2 marks)

(b) Solve: $3(n + 2) - 2(n - 3) = 0$ (3 marks)

27. The capacity of the container below is 120litres.



(a) Find the value of w . (3 marks)

(b) Calculate the total length of all its edges. (2 marks)

28. A man used $\frac{1}{4}$ of his salary to buy food, $\frac{1}{3}$ of the remainder to pay fees and saved sh. 600,000. How much does he earn monthly? (5 marks)

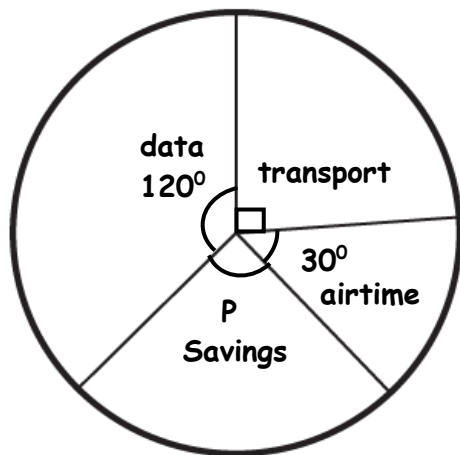
29. (a) The sum of three consecutive even numbers is 18. If the smallest number is K , find the value of K . (3 marks)

(b) Find their range. (2 marks)

30. (a) Subtract: 213_{five} from 404_{five} (2 marks)

(b) If $201_n = 51$, find the value of n . (3 marks)

31. The pie-chart below shows how Mr.Odongo spends his weekly allowance of sh. 360,000. Study it carefully and use it to answer questions that follow.

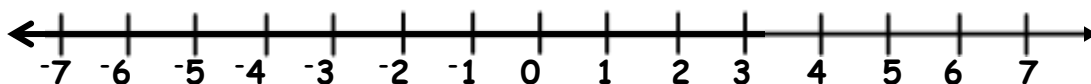


- a) Find the value of p. (3 marks)

- (b) How much money does he spend on transport? (2 marks)

32. (a) IF today is Wednesday, what day of the week will it be after 15 days? (2 marks)

- (b) Work out; $+6 + -7$ on the number line below. (3 marks)



***** END *****