

GREENHILL PRIMARY SCHOOL BUWAATE

PRE-MIDTERM TWO EXAMINATION 2023

CLASS : P. 7

SUBJECT : MATHEMATICS

TIME ALLOWED : 2 HOURS 30 MINUTES

Name _____ Stream _____

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. Work out: 10×44

2. Solve: $3x - 5 = 23$

3. Nick has 4 chickens and 3 rabbits. How many animal legs are there altogether?

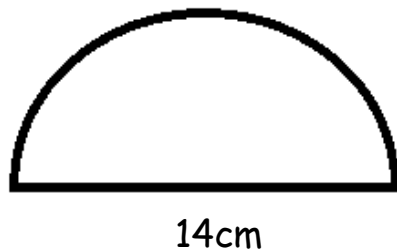
4. Find the next two numbers in the pattern.
64 , 32 , 16 , 8 , 2 , ____ , ____ .

5. Work out: $(\frac{1}{7} \text{ of } 14) - (20\% \text{ of } 60)$

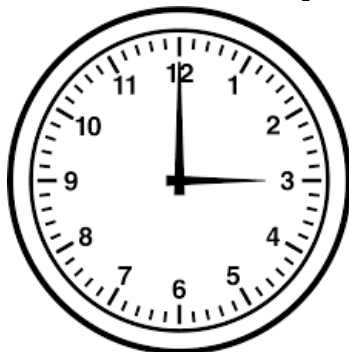
6. Round off "four thousand forty" to the nearest hundreds.

7. The mean of $n + 4$, 17 and 3 is 8. Find the value of n .

8. A primary three child curved a wire into the shape shown below.
Find the length of the wire.



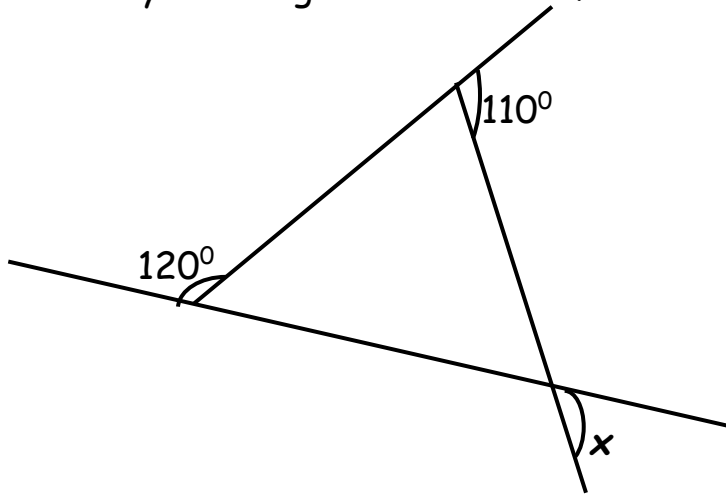
9. Amos went to sleep in the afternoon at the time shown on the clock face and slept for $3\frac{1}{4}$ hours.



At what time did he wake up?

10. Using a pair of compasses, a ruler and a pencil, construct an angle of 135° .
11. Find the value of the unknown base.
 $101_W = 23_{\text{Seven}}$.
12. The temperature at Mt. Rwenzori was -5°C in the morning. At 2:00pm the temperature had risen to $+2^\circ\text{C}$. What was the rise in temperature?
13. Mbatudde buys a bicycle at Sh.80, 000 and sells it making a profit of Sh. 4,000. Calculate her percentage profit.

14. Study the diagram below and find the value of x .



15. Add: $1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{8}$

16. Susan wants to place 35.5kg of sugar in small bags. If each small bag holds 0.5kg, how many bags are needed?

17. One day, Musa covered $\frac{1}{2}$ of his journey using a taxi, $\frac{1}{3}$ using a motorcycle and walked the remaining 6km. Calculate the total distance Musa covered that day.
18. Okot was born in the year MM. Write his current age in Roman numerals.
19. A football training session took 325 minutes. Express this time in hours and minutes.
20. A box contains 36pink, 18blue, 9green, 6 red and 3 purple sweets that are the same in size. If a sweet is picked at random, what is the probability that it is green?

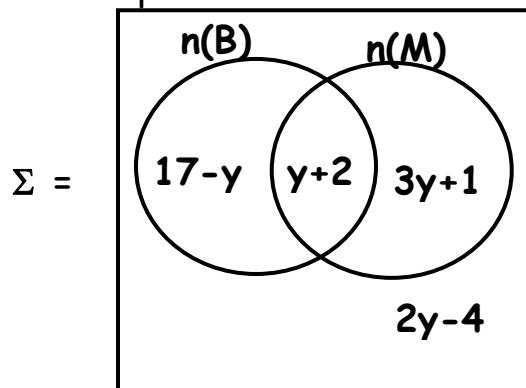
SECTION B

21. At a music launch at Club Afronica, Adults paid sh.15,000 each and children paid sh. 3500 each. If the children were 250 and the adults paid a total of shs.7,500,000.

(a) How much money was collected altogether? (3 marks)

(b) How many adults attended the music launch? (2 marks)

22. The venn diagram below shows farmers who grow beans (B) and Maize (M). Some farmers grow both crops while 10 farmers grow other crops.

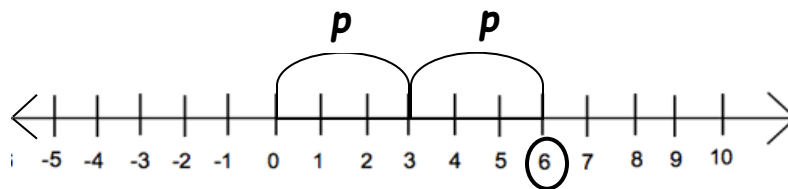


(a) Find the value of y . (2 marks)

(b) How many farmers grow only one type of crop? (2 marks)

(c) What is the probability that a farmer chosen in the village does not grow both crops? (1 mark)

23. a) The number line below shows a multiplication problem.



(i) Write the value of p . (1 marks)

(ii) Write the multiplication statement shown above. (2 marks)

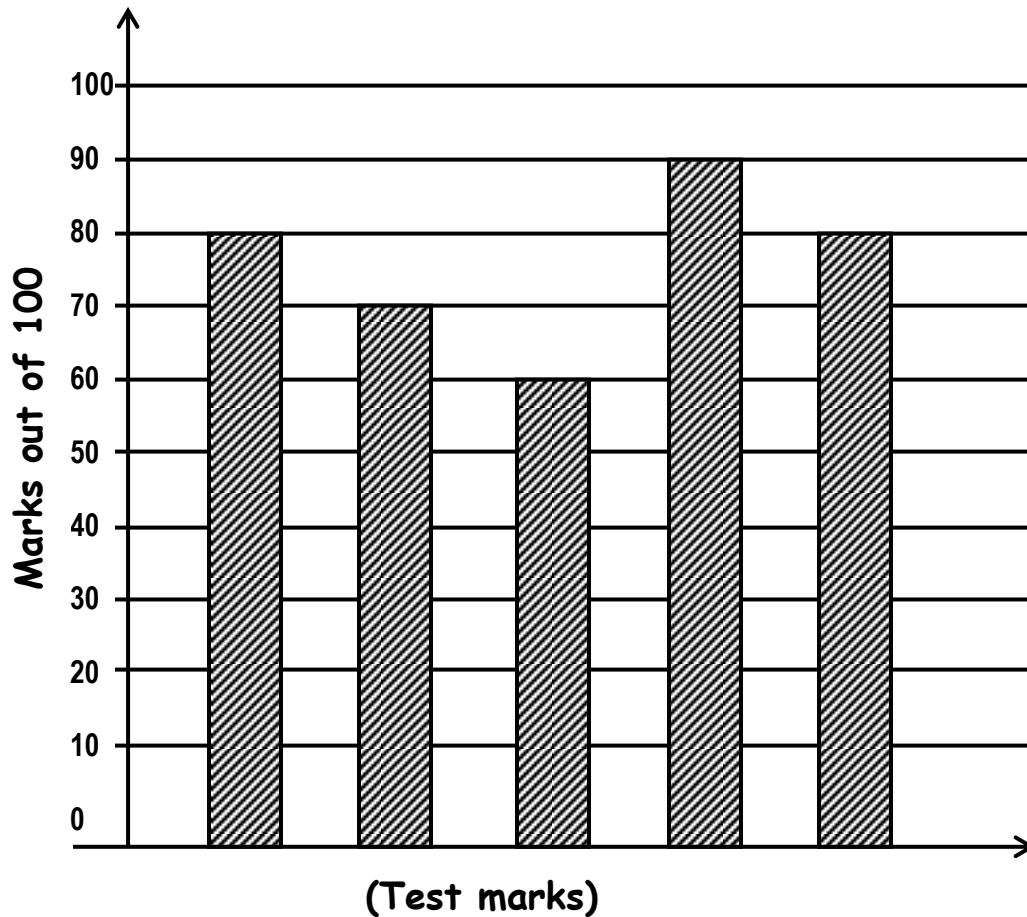
- (b) A teacher gives his children a test of 10 questions. He awards 2 marks for every correct answer and subtracts a mark for every wrong answer. What will be Juma's score who fails only 2 questions? **(2 marks)**

24. (a) Use the distributive property to work out: **(2 marks)**
 $(2500 \times 15) + (85 \times 2500)$

- (b) Express the difference of 456 and 42 in standard form. **(1 mark)**

- (a) Evaluate $3^2 + 2^3 + 10^0$ **(2 marks)**

25. John writes five tests and gets the marks as shown on the graph below.



- (a) What was his modal mark? (1 mark)
- (b) How many marks did he drop or lose altogether? (2 marks)
- (c) What was his average mark? (2 marks)

26. Three bells are used at Green hill Academy Kibuli, one for Nursery is rung every after 30 minutes, one for Primary is rung every after 40 minutes and one for secondary every after 60 minutes.
- (b) After how many minutes will the three bells be sounded at the same time? **(2 marks)**

- (c) How many lessons will have gone by the time the three bells are sounded together? **(1 mark @)**

Nursery	Primary	Secondary

27. a) Subtract: $(y + 2x)$ from $2(2y - x)$ **(2 marks)**

- (b) Matovu is 7 years older than Muwonge. In 5 years time their total age will be 57 years. How old is each of them now? **(3 marks)**

28. a) Study the table below and complete it correctly. (3 marks)

Mark	Frequency	Total
80	2	160
30	_____	150
_____	1	90
65	2	_____

- (b) Find the range of marks. (2 marks)

29. (a) The time table below shows how Mr. Opolot travelled from Kampala to Mbale by bus covering a total distance of 276km.

TOWN	ARRIVAL	DEPARTURE
KAMPALA		6:30am
JINJA	9:15am	9:25am
IGANGA	10:30am	10:45am
BUDAKA	11:00am	11:05am
MBALE	12:15pm	

- (a) How long in minutes does the bus stay in Jinja? (1 mark)

(b) How much time does the bus spend to cover the entire distance from Kampala to Mbale? **(2 marks)**

(c) Calculate the average speed of the bus for the entire journey. **(2 marks)**

30. (a) Using a pair of compasses, a ruler and a sharp pencil, construct a rhombus $ABCD$ in which $AB = 6\text{cm}$ and angle $DAB = 60^\circ$. **(4 marks)**

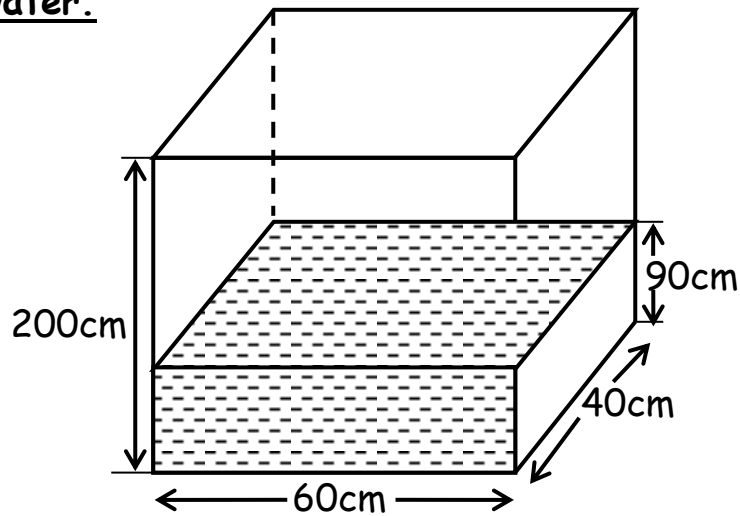
(b) Measure the length of diagonal DB . **(1 mark)**

31. A boy is sent to the supermarket with 3 twenty thousand shilling notes and bought the following.
- 3kg of sugar at sh.4000 per kg.
 - 4litres of cooking oil at sh.3000 per $\frac{1}{2}$ litre.
 - 8 apples at sh.2000 for 4 apples.

(a) How much money did he spend altogether? **(4 marks)**

(b) If he was given a discount of sh.2000, calculate his change. **(1 mark)**

32. The diagram below shows a rectangular water tank with some water.



(a) How many litres are in the tank? (2 marks)

(b) How many more litres are required to fill the tank? (3 marks)

***** END *****