

VICTORIOUS PRIMARY SCHOOLS
PRIMARY SEVEN MID TERM II
2023
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

District ID:

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Read the following instructions carefully:

1. Do not write your **school** and **district name** on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **20** questions and Section **B** has **12** questions.
3. Answer **all** questions. **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 ink. Any work done in pencil other than graphs and diagrams will **not** be marked.
5. **No calculators** are allowed in the examination room.
6. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the table indicated:
"For Examiners' Use only"

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

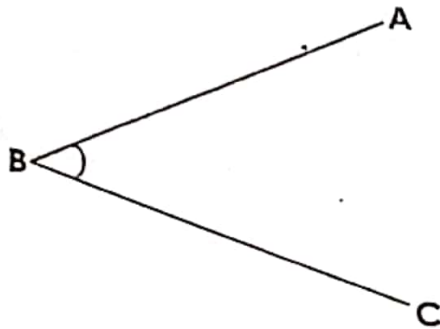
SECTION A: (40MARKS)

Question 1 to 20 carry two marks each

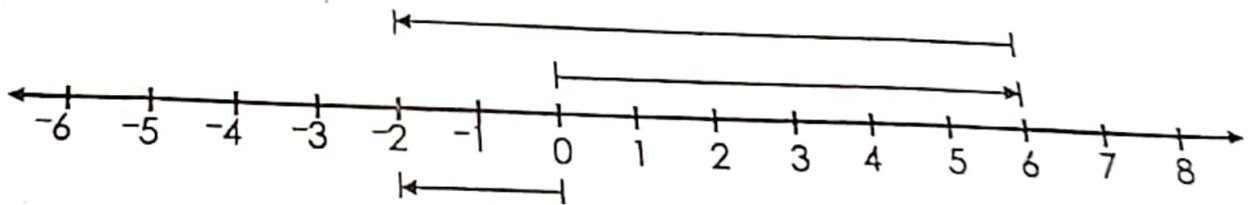
1. Add: $24 + 60$

2. Write 90019 in words.

3. Using a pair of compasses, a ruler and a pencil, bisect angle **ABC** below.



4. Write the mathematical statement shown on the number line below.



5. Solve: $5 - m = -7$.

6. A cup was $\frac{3}{4}$ full of water, $\frac{1}{4}$ of the water poured. Which fraction of the water remained in the cup?
7. Given that $A = \{a, b, c, d, e, f\}$ and $B = \{a, e, l, o, u\}$. Find $n(A - B)$.
8. The marked price of a radio was sh. 50000, a buyer bought it at sh. 48000. Work out the buyer's percentage discount.
9. Round off 299.98 to the nearest whole number.
10. The perimeter of a rectangle is 28cm, if its length is 8cm. what is the width of the rectangle.

11. Find the average of $3y$, 4 , $(2y + 2)$, 2 and 7 .
12. Using a pair of compasses, a ruler and a pencil, construct an angle of 120° in the space provided.
13. A trader withdrew fifty thousand shilling notes numbered from BQ342555 to BQ342664. How much money did he withdraw?
14. Express 10m/s as kph .

15. Find the next number in the sequence below.

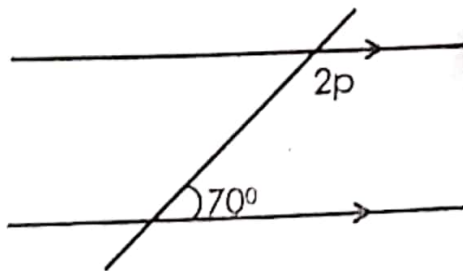
-18, -16, -13, -11, -8, _____

16. Today is Wednesday, what day of the week will it be after 72 days?

17. Subtract $3x - 4$ from $5x - 2$.

18. Write 11:30p.m as a 24 hour clock time.

19. Find the value of p .



20. The ratio of boys to girls in the class is 2:3. What is the percentage of girls in the class?

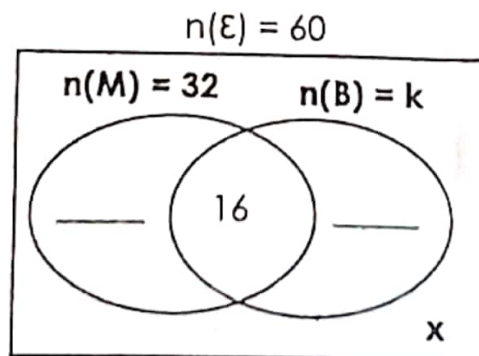
SECTION B: (60MARKS)

21. (a) Express 0.3636 ... as a common fraction in its lowest form. (02marks)

(b) Evaluate: $\frac{0.24 \times 0.06}{1.2 \times 0.03}$ (02marks)

22. In a group of 60 farmers, 32 farmers plant maize (M), k plant beans (B), 16 of them plant both maize and beans while 53 farmers plant maize and beans altogether.

(a) Use the above information to complete the Venn diagram below. (02marks)



(b) Find the number of farmers who grow beans. (02marks)

- (c) What is the probability of picking a farmer at random who plants neither maize nor beans? (02marks)

23. Three boys Allan, Alex and Amba contributed some money to start a small business in the ratio 2 : 5 : 3. Alex contributed sh. 1000000.

- (a) How much money did they contribute altogether?

(02marks)

- (b) How much more money did Amba contribute than Allan?

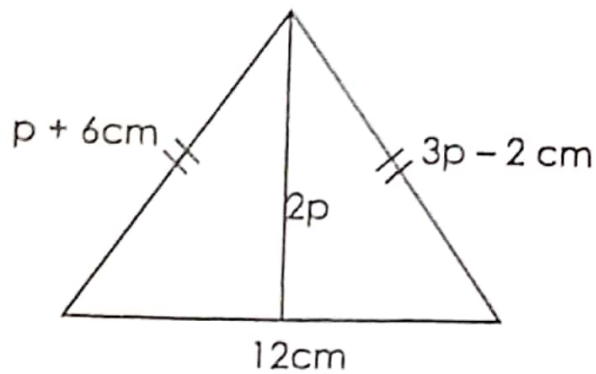
(03marks)

24. The sum of 4 consecutive odd numbers is 32. If the greatest of them is y . List down the numbers in descending order.

(03marks)

25. Study the figure below and find its area.

(05marks)



26. Hatimu went to the market and bought the items as follows.

2kg of sugar at sh. Sh. 5000 each kg

2 litres of milk at sh. 2000 per litre.

500g of meat at sh. 12000 per kg

2 bunches of matooke at sh. 40000

(a) What was his total expenditure?

(04marks)

(b) If he was given a discount of 10%. How much money was his discount?

(02marks)

27. A bus moved at an average speed of 60km/hr covering a distance of 180km from Kampala to Mbale, it spent 30 minutes in Mbale and returned to Kampala in just $2\frac{1}{2}$ hours.

(a) What time did it use to move from Kampala to Mbale? (02marks)

(b) Calculate the average speed of the bus for the whole journey. (03marks)

28. The table below shows the number of pupils in different classes at a certain Primary school.

Class	P.3	P.4	P.5	P.6	P.7
Number of pupils	120	160	150	100	120

(a) What is the modal number of pupils in the school? (01mark)

(b) Find the range in the number of pupils in the school. (01mark)

- (c) Work out;
(i) the median number of pupils.

(02marks)

- (ii) The average number of pupils.

(02marks)

29. Given the digits 4, 3, 0 and 8.

- (a) Write down the greatest and smallest 4-digit number that can be formed using all the digits given above. (02marks)

- (b) Write the smallest number formed in (a) above in words. (02marks)

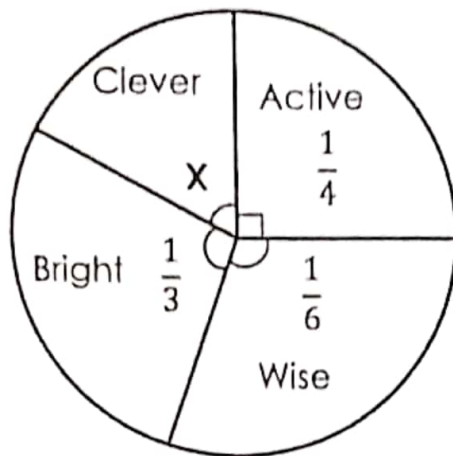
- (c) Express the greatest number formed in (a) above in scientific notation. (01mark)

30. Using a pair of compasses, a ruler and a pencil, construct triangle **ABC** such that **AB** = 7cm, angle **BAC** = 60° and **AC** = 4.8cm. (04marks)

(i) Measure length **BC** _____ (01mark)

31. Derick is 4 years older than his brother Jack. In 10 years to come, their total age will be 40 years. How old is each of them now. (04marks)

32. The pie-chart below shows the number of trees planted by different streams of P.7 at Victorious Primary School. Study it carefully and use it to answer the questions that follow.



- (a) Find the value of X . (03marks)

- (b) If P.7 clever planted 10 trees more than P.7 Wise, how many trees did P.7 Wise plant? (03marks)

END