



WEST NILE PRIMARY SCHOOLS'

HEADTEACHER'S ASSOCIATION(WENIPSHA)

P.7 REGIONAL P.L.E MOCK 2024

MATHEMATICS

Time Allowed: 2Hours 30 Minutes

Theme: "Assessment for confidence building in West Nile P.L.E candidates"

EMIS NUMBER						PERSONAL NO.		

CANDIDATE'S NAME: _____

SCHOOL: _____

DISTRICT: _____

SIGNATURE: _____

DISTRICT ID:

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Read the following instructions carefully

1. This paper has Two Sections **A** and **B**
2. **Section A**, has **20** short answer questions (**40marks**) and
3. **Section B**, has **12** questions (**60marks**)
4. Answer **ALL** questions. All working for both section **A** and **B** must be shown in the space provided.
5. All answers **MUST** be written using a **blue or black ball – point Pen or ink**. Any working done in pencil other than graphs and diagram will not be marked.
6. **No calculators** are allowed in the examination room.
7. Unnecessary alteration of work may lead to loss of marks.
8. Do not write anything in the boxes indicated "**FOR EXAMINERS' USE ONLY**"

FOR EXAMINER'S 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		

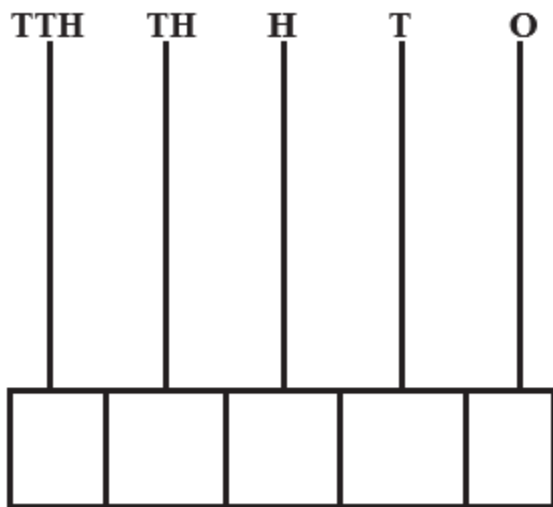
Turn Over

SECTION A (40MARKS)

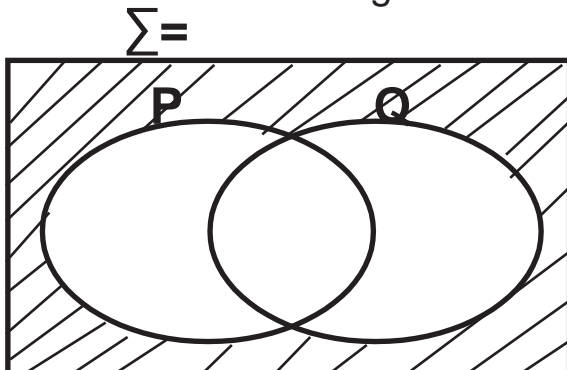
1. Work out: $176 - 65$

2. Write the expanded number in Roman numerals: $900 + 90 + 9$

3. Write 10804 on the abacus below.



4. Describe the shaded region on the Venn diagram below.



5. Work out: $-7 - -9$

6. Find the lowest common multiple of 24 and 42.

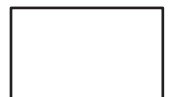
7. Increase 240 in the ratio 4:3

8. A farmer planted fifteen trees at intervals to cover a total length of 480 metres. Find the distance between the trees.

9. Find the next number in the sequence.


2, 9, 4, 16, 6, 25, _____, _____

10. Given that the sub sets of a set **P** are { }, {6}, {5}, {1}, {6,5}, {6,1},{5,1} and {6,5,1}. Calculate the number of elements in set **P**.



11. A baby slept at 9:30pm and woke up at 2:15am. For how long did the baby sleep?

12. Using ruler, pencil and pair of compasses only, construct an angle of 105° in the space provided.

13. If  represent 20 apples, draw pictures to represent 90 apples.

14. Geriga was riding at a speed of 60km/h for $3\frac{1}{2}$ hours. What distance did he cover?

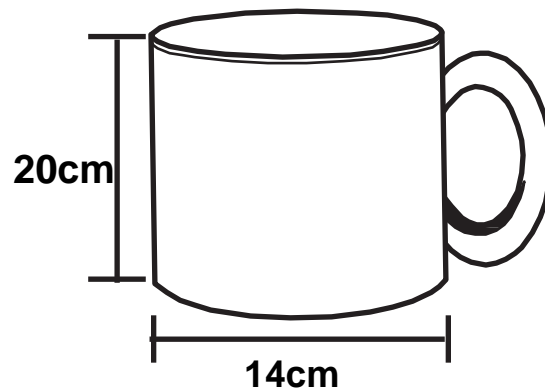
15. Write 1940 in a standard form.

16. A dozen of exercise books cost sh.18,000. What is the cost of 8 similar books?

17. Solve: $3^{2p} = 81$.

18. The interior angle of a rectangular polygon is thrice its exterior angle. Calculate the size of each exterior angle.

19. The figure below is a cup whose diameter and height are 14cm and 20cm respectively.

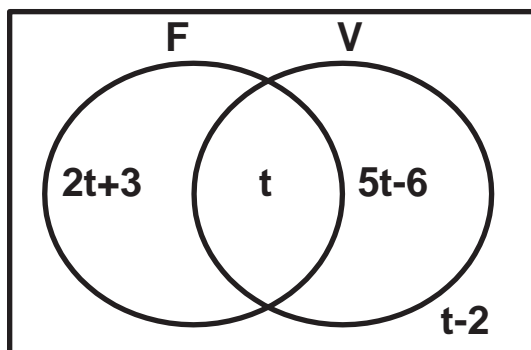


Find the amount of water in litres that can fill the cup full.

20. A man has UGX.603,000 and exchanged it for Kenya shillings. How much Kenya shillings will he get if 1Ksh. = UGX360?

SECTION B (60marks)

21. In a class, $(2t + 3)$ pupils play foot- ball (**F**) only, t pupils like both football and Volley ball (**V**), $(5t-6)$ pupils play Volley ball only while $t-2$ do not play any of the two.



(a) If the **22** pupils do not play volley ball, find the value of **t**.

(b) How many pupils are in the class?

22. In a taxi park, two vehicles depart at intervals of 30minutes and 40minutes respectively.

(a) After how long will they depart at the same time?

(b) If the two vehicles all depart at the same time at 8:45am, at what time will they depart together again?

23.(a) A man shared certain amount of money among his three children; Jane, Peter and Lucy in the ratio of 3:4:5 respectively. If he gave Jane and Lucy sh.240,000 altogether, how much money did he have?

(c) How much money did Peter get?

24.(a) Work out: $5-6=$ _____ (finite 4) on a dial.

(b) Given that an academic term started on Monday and took 86days.
On which day of the week did the term end?

25. Vujejo went to Ewafa market and bought the following items;
2½kg of sugar at sh.3600 per kg 500grams of Rice at sh.3200 per kg 18
apples at sh.2000 for every 3 apples 2 litres of cooking oil at sh.10,000
(a) How much did she spend on each item?

(b) If she had a balance of sh.17,400. How much did she have at the
beginning?



26. The table below shows the marks scored by P.7 candidates in a certain primary school in West Nile region. Use it to answer the questions that follow.

Marks scored	90	80	70	60
No. of pupils	P	2	2	3

(a) If 10 pupils sat for the test, find the value of **P**.

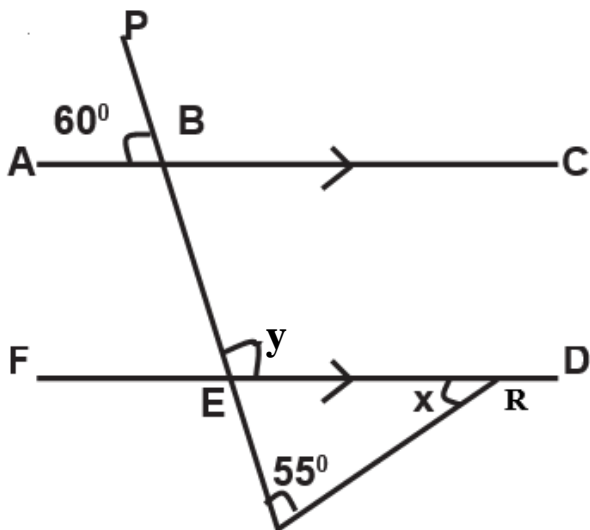
(b) Calculate the average mark of pupils who scored above 70.

27. In a factory, 5600kg of sugar is produced in a day and the factory operates for 20 days in a month.

(a) How many tonnes of sugar does the factory produce in 10 days?

(b) If the factory sells a kilogram of sugar at sh.4500, how much money does it get in 2 days?

28. In the figure below line **AC** is parallel to line **FD**.
 $\angle ABP = 60^\circ$ and $\angle EGR = 55^\circ$.



Find the size of:

(a) angle **y**

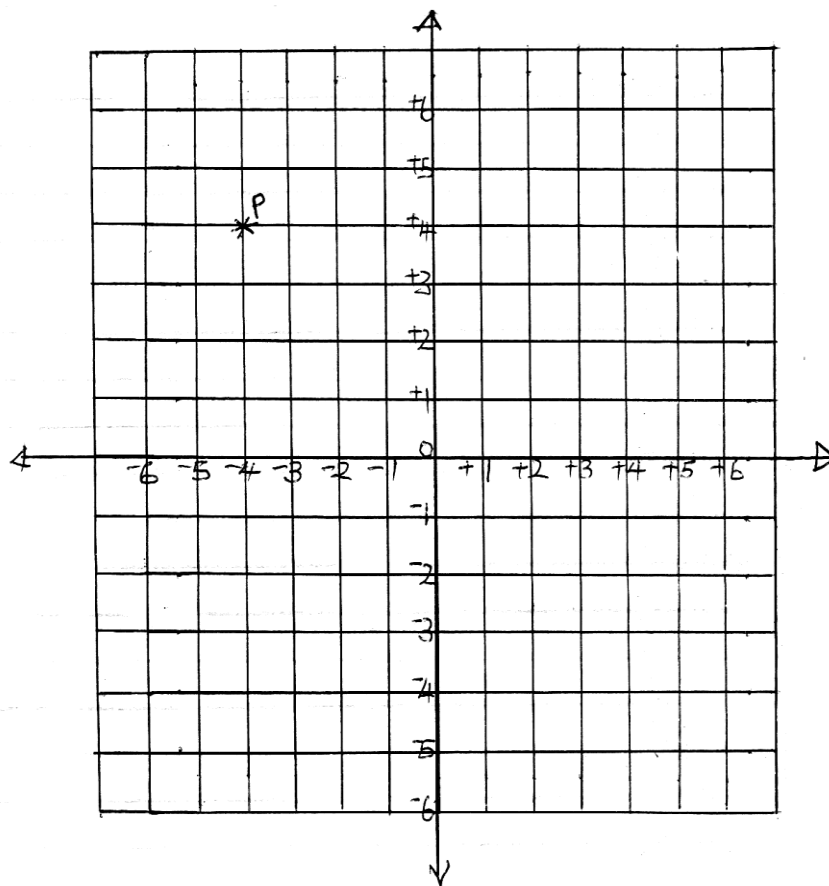


(b) angle X .

29. (a) The number of pupils in Aringajobi Primary School increased from 600 pupils last year by 20% and then this year by 35%. Find the current number of pupils in the school.

(b).If each pupil paid sh.2000 for registration, how much money was collected by the school?

30. Use the graph of ordered pair of coordinates below to answer the questions that follow.



- Identify the coordinates of point **P** on the graph.
- Plot points **Q**(+5 , +4) and **R**(-4, 0) on the graph.
- Join point **P** to **Q** , **Q** to **R** and **R** to **P** hence name the shape formed.

31. The cost of a pineapple is 5 times the cost of a pawpaw and the cost of pumpkin is sh.3000 more than the cost of a pawpaw. If the cost of a pawpaw and a pineapple altogether is as much as the cost of 2 pumpkins.

(a) Find the cost of a pawpaw.

(b) Calculate the cost of a pineapple.

30. Town **P** is **50km** East of Town **R** and Town **H** is **60km** away from Town **P** on a bearing of **130°**. Use a scale of **1cm** to represent **10km**.

(a) Draw an accurate diagram showing locations of the three towns.

(b) Find the shortest route between Town **R** and Town **H**.

END