

TARGET EXAMINATIONS BOARD

PRE - PRIMARY LEAVING MOCK

2024

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Random No.						Personal No.		

Candidate's Name:.....

Candidate's Signature:.....

District ID No.

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Read the following instructions carefully:

1. Do not write your **school** or **District name** anywhere on this paper.
2. Section **A** has **20** questions (**40 marks**)
3. Section **B** has **12** question (**60 marks**)
Attempt **ALL** questions.
All answers to both sections **A** and **B** must be written in the spaces provided.
4. All answers **MUST** be written using **blue** or **black** ball – point pen or **ink**. Diagrams should be drawn in **pencil**.
5. Unnecessary **changes** of work may lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to **loss** of marks.
7. Do not fill anything in the boxes indicated "For examiner's use only".

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



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Mathematics Pre-Mock II – 2024

SECTION A (40 Marks)

1. Subtract: 64 from 89

2. Given that set $W = \{e, f, g, p\}$, how many subsets can be formed from set W ?

3. Write 50,049 in words.

4. Find the mean of $2p + 3$, $3p$ and $p + 6$.

5. James deposited sh. 500,000 in a bank that offers an interest rate of 5% per month. Calculate the simple interest he got after 3 months.

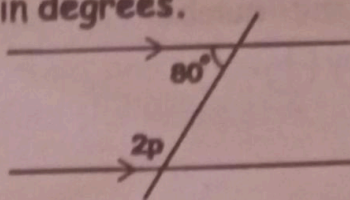
6. Simplify: $^{-}9 - ^{-}5$

7. Okello had $\frac{3}{4}$ of the cake and gave out $\frac{1}{3}$ of it to his brother. What fraction of the cake did he remain with?

8. Using a ruler, a pair of compasses, construct an angle of 75° .

9. Round off 476.59 to the nearest whole number.

10. In the figure below, find the value of M in degrees.

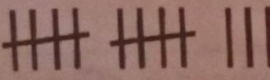


11. The circumference of the kraal is 44m. Calculate the area of the kraal.

12. Express 50m/sec to km/hr.

13. Workout: 0.75×0.4

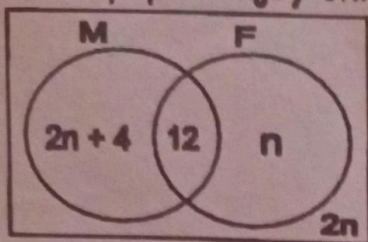
14. The LCM of two numbers is 60 and their GCF is 10. If the first number is 30, find the second number.

<p>15. If \oplus represents 120 pupils in a school, find the number of pupils represented by \oplus.</p>	<p>16. Find the next number in the sequence. 2, 4, 7, 12, 19, _____</p>										
<p>17. The cost of 1kg of rice is sh. 3,600. Find the cost of 250 grams of rice.</p>	<p>18. Find the supplement of $(40 - y)^\circ$.</p>										
<p>19. Write the number shown by the tallies below in Roman numebals. </p>	<p>20. Add: <table border="0" style="display: inline-table; vertical-align: middle;"> <thead> <tr> <th>Weeks</th> <th>Days</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">+ 2</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: center;"> </td> <td style="border-top: 1px solid black; text-align: center;"> </td> </tr> <tr> <td style="border-top: 1px solid black; text-align: center;"> </td> <td style="border-top: 1px solid black; text-align: center;"> </td> </tr> </tbody> </table></p>	Weeks	Days	6	4	+ 2	5				
Weeks	Days										
6	4										
+ 2	5										

SECTION B (60 Marks)

21. The venn diagram below shows number of pupils in P.7 class who eat meat (M) and fish (F).

(a) If 16 pupils enjoy only one type of sauce, find the value of n . (2marks)



(b) How many pupils eat meat altogether? (2marks)

(c) Find the probability of picking a pupil at random who eats both sauces. (2marks)

22. Two bells ring at the interval of 30 minutes, 40 minutes respectively. If they rang together at 10:30a.m;

(a) After how long will the bells ring together again? (3marks)

(b) At what time will the bells ring together again? (2marks)

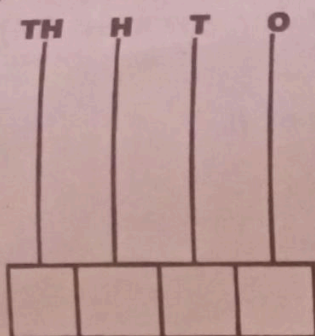
23. The table below shows the marks scored by pupils in a Mathematic test.

Marks scored	60	50	80	90
Number of pupils	2	3	1	4

(b) Workout the mean score of their marks. (3marks)

(a) How many pupils sat for the test? (1mark)

24. (a) Draw beads to show the number 2403 on the abacus below.



(b) Expand the number shown on the abacus using powers of ten. (2marks)

(1mark)

(c) Find the sum of the value of 4 and the place value of 0 in the number (a) above. (2marks)

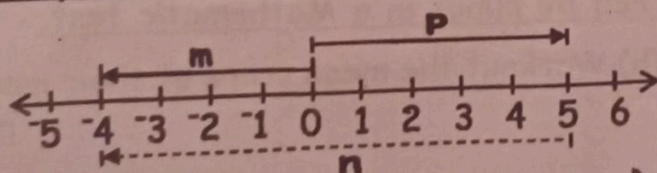
25. The headteacher distributed text books among three classes where each child got a text book in P.5, P.7 and P.6 in the ratio of 3:7:5 respectively. If P.7 got 42 text books;

(a) How many children are in three classes?

(4marks)

(b) How many more children are in P.6 than P.5? (2marks)

26. Study the number line below and use it to answer the questions that follow.



(b) Write the subtraction Mathematical statement. (1mark)

(a) Identify the integers shown by:

(i) $n =$ _____

(ii) $p =$ _____

(iii) $m =$ _____

(1mark each)

27. A trader sold off a 10 litre container of milk using a cup of $\frac{1}{2}$ litres at sh. 1200 each cup. How much did he earn altogether? (5marks)

28. (a) Simplify: $\frac{3.6 \times 0.3}{1.2 \times 0.09}$ (3marks) (b) Workout: $\frac{5}{6} - 1\frac{1}{4} + \frac{3}{4}$ (2marks)

29. (a) Solve: $2(2m + 4) - 2(m - 2) = 0$ (3marks) (b) If $p = 3$, $q = 4$ and $r = 2$, find the value of $\frac{pr - q}{p - q}$. (2marks)

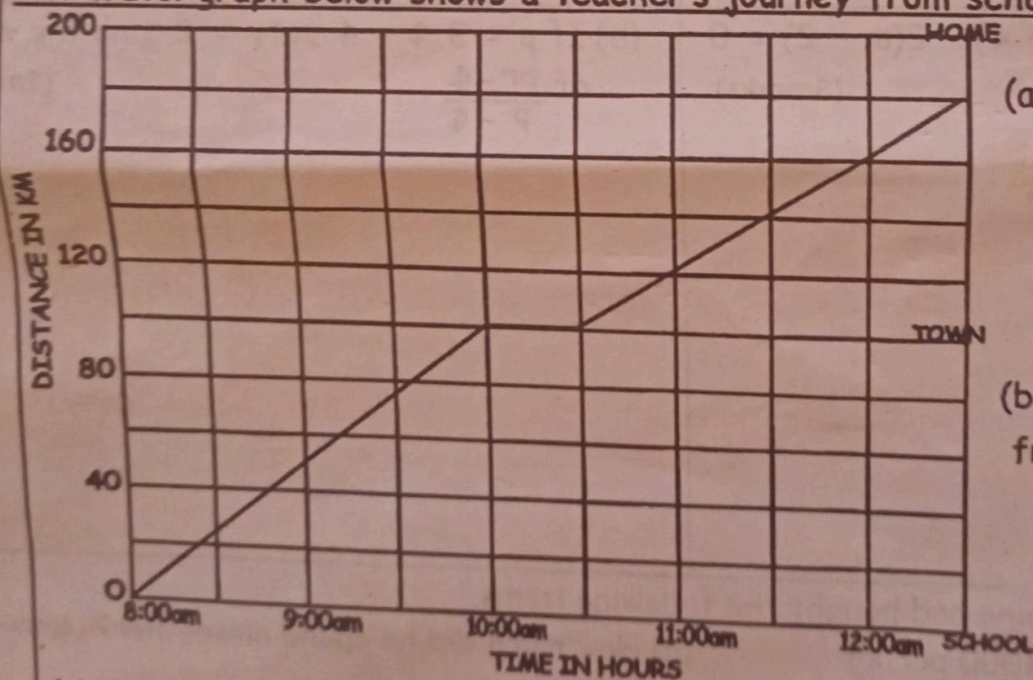
30. Amos went shopping and bought the following items.
2kg of sugar at 4000 per kg
- 500g of salt at sh. 2000 per kg
- $1\frac{1}{2}$ kg of meat at sh. 10,000 each kg
- 3 books at sh. 9,000
(a) How much did he spend altogether? (4marks)

(b) If he was given a change of sh. 2,000, how much money did he go with? (1mark)

31. (a) Using a ruler, a pencil and a pair of compasses only, construct a triangle **PQR** where $\angle QPR = 90^\circ$, line **PQ** = 4cm and line **PR** = 3cm. (4marks)

(b) Measure line **RQ** _____ (1mark)

32. The travel graph below shows a teacher's journey from school to home via town.



(a) At what time did the teacher arrive home? (1mark)

(b) How far is the town from school? (1mark)

(c) Work out his average speed for the whole journey. (3marks)