MOTHER MAJERI PRIMARY SCHOOL

**INTERNAL MOCK EXAMINATION, 2024**

# SUBJECT : MATHEMATICS

**CLASS : P.7**

# DURATION: 2 HOURS 30 MINUTES

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| Random No. | | | | | | Personal No. | | |
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**Index No. Stream \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Candidate’s Name ……………………………………………………………………………………..**

**Candidate’s Signature …………………………………………………………………………………..**

**EMIS No. ………………………………………………………………………………………………**

**District Name ………………………………………………………………………………………….**

**Read the following instructions carefully**

1. This paper has **two** Sections: **A** and **B**.
2. Section **A** has 20 answer questions

(40 marks)

1. Section **B** has 12 questions (60 marks)
2. Answer **ALL** questions. Answers to both sections must be written in the spaces provided.
3. All answers must be written using a blue ballpoint pen or ink Diagrams should be drawn in pencil.
4. Unnecessary alteration of work may lead to loss of marks.
5. Any handwriting that cannot be easily read may lead to loss of marks.
6. Do not fill anything in the box indicated for examiner’s use only.

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| **FOR EXAMINERS USE ONLY** | | | |
| **QN. NO.** | **MARK** |  |
| **1 - 10** |  |  |
| **11 - 20** |  |  |
| **21 - 22** |  |  |
| **23 – 24** |  |  |
| **25 – 26** |  |  |
| **27 – 28** |  |  |
| **29 – 30** |  |  |
| **31 – 32** |  |  |
| **TOTAL** |  |  |

**SECTION A (40 Marks)**

|  |  |  |  |
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| 1. | Work out 2 x 3 | 6 | Work out 2 – 5 = (mood 7) using a numberline. |
| 2 | Write in figures: Ninety thousand, nine. | 7 | A birthday party that took 2 ¾ hours ended at 7:15 p.m. At what time did it start? |
| 3 | Given that Y = {cow}, find the number of subsets in set Y. | 8 | Work out 5 ÷ 2  9 3 |
| 4 | Simplify: 4n – 2(2n - 6) | 9 | Ms. Kato sold a dress at sh. 65,000 making a loss of sh. 8,000. Find the cost price of the dress. |
| 5 | Ten trees were planted at the interval of 100m. John walked from the 2nd tree to the tenth. What distance in Km did he cover? | 10 | Show all the lines of folding symmetry in the figure below. |
| 11 | How many quarter kilogram packets can be obtained from 750gm of sugar? | 16 | The temperature of ice in the morning was -50 C and in the afternoon it was +100C .What was the range in temperature? |
| 12 | Solve 3(2 – y) < -18 | 17 | Increase 600 pupils in the ratio 5:4 |
| 13 | Mr. Okwakol closed one of his eyes and counted 10 pupils playing in the field. How many pupils did he count on using 2 eyes? | 18 | A container was ½ full of water. when 10 litres were added, it became 3 /4 full of water. What is the capacity of the container?  Line drawing of a fish |
| 14 | Work out: 1000two – 11two | 19 | Given that represent 7 fish. Draw pictures to represent 35 fish. |
| 15 | Find the highest number of pupils that can share either 20 or 30 books without a remainder. | 20 | Construct a perpendicular to line AB from point X.  **A**  **X**.  B |
|  | **Section B** | | |
| 21  a. | In a group of 50 visitors, 30 took Fanta (F), n took Mirinda (M) only, 3 took neither while 8 took both drinks.  Use the information above to complete the venn diagram below.  (3mks)  n(M) =  n(F) = 30  \_\_\_\_ 8 \_\_\_\_\_  \_\_\_\_ | | |
| b) | Find the value of n.  (2mks) | | |
| c) | How many visitors took only one brand of soda?  (1mk) | | |
| 22  a. | Given that 47n = 133five. Find the value of n.  (2mks) | | |
| b. | Write 0.00362 in standard form. (2mks) | | |
| 23  a. | Simplify: 1.45 – 0.55  0.28 + 0.08  (2mks) | | |
| b. | Express 0.2727-------as a rational fraction in its lowest term.  (2mks) | | |
| 24  a | Kansiime went to the market with a fifty thousand shilling note and bought the following items.  3kg of rice at sh. 4000@  12 tomatoes at sh. 500 for every 3 tomatoes and 2 bunches of matooke at sh. 30,000.  Find her total expenditure.  (3mks) | | |
| b. | If she was allowed a discount of 5%, findher balance.  (2mks) | | |
| 25 | The interior angle of a regular polygon is 1080 more than the exterior angle. Name the polygon.  (3mks) | | |
| b. | In the figure below line AB is parallel to line CD. Lines EH and HL are transversal. <DKL = 500 and line GH = line GJ. Find size of angle CEG.  **H**  **G**  **J**  **A**  **B**  **E**  **D**  **K**  **C**  (2mks)  **500**  **L** | | |
| 26 | Express 20m/sec to Km/h.  (2mks) | | |
| b. | A motorist travelled from Kampala to Masaka at a steady speed of 90Km/h for 2 hours. He then continued to Lyantonde for 2 hour 15 minutes at a speed of 60Km/h. Calculate the total distance from Kampala to Lyantonde  (3mks) | | |
| 27  a. | Benard and Tom shared some money in the ratio of 2:3 repectively. Benard donated 1/5 of his share and Tom donated 3/10 of his share. If they both donated 260,000.  How much money did they share?  (4mks) | | |
| b) | How much did each of them remain with? (2mks) | | |
| 28 | Solve 2(2n- 1) – 2(n-3) = 4  (2mks) | | |
| b. | Haderesa bought a total of 30 pens and pencils at sh. 48,000. If he paid sh. 2,000 per pen and sh. 500 per pencil, how many pens did he buy?  (3mks) | | |
| 29  a) | A cylindrical tin of diameter 14cm contains 3080cm3 of cooking oil. Chef Anatoli used 2,156cm3 of the cooking oil.  What is the height of the cooking oil remaining in the tin (Take ) | | |
| b) | Chef Anatoli then poured the remaining cooking oil into a rectangular tin with base area 77cm2. What was the height of the oil in the tin?  (2mks) | | |
| 30  a) | A rectangular floor room measuring 8m by 4m was covered with square tiles of 20cm.  How many tiles were used to cover the room?  (2mks) | | |
| b) | The tiles were only sold in boxes and in each box there were 15 tiles. A builder bought the tiles to cover the floor at sh. 20,000 per box. How much did he spend on the tiles?  (3mks) | | |
| 31a) | The sum of four consecutive even numbers is 108. +If the biggest number is y.  Find the numbers.  (3mks) | | |
| b) | Find their range.  (1mk) | | |
| 32  a) | A tourist left town X and travelled 55km West wards to town Y. He then turned on a bearing of 2150 and travelled to town K which is a distance of 65Km.  Draw a sketch diagram to show the tourist journey. | | |
| b) | Using a scale 1cm rep. 10km. Draw an accurate diagram to show the tourist’s journey  (3mks) | | |
| c) | Find the shortest distance from town K to town X.  (2mks) | | |

**END**