NAME OF TEACHER: ..... **WEEK ENDING...07-04-2023.....**

NUMBER ON ROLL: ..... **SUBJECT... MATHEMATICS**

DURATION: ..... **REFERENCE...SYLLABUS(CRDD,2007), FOR JHS .....**

FORM.....BASIC 9..... **WEEK.....1.....**

DAY/DURATION	TOPIC/SUB-TOPIC/ASPECT	OBJECTIVES/R.P.K	TEACHER-LEARNER ACTIVITIES	T/L MATERIALS	CORE POINTS	EVALUATION AND REMARKS
TUESDAY **9:15AM - 10:25AM** **70min**	**DISCUSSION OF LAST TERM EXAMINATION QUESTIONS (REVISION)**	By the end of the lesson the Pupil will be able to; i. Remember lessons treated in the previous term. ii. Answer all questions in the previous term examination **RPK** Pupils were taught lessons on all the topic	1. Select a model reader to read the essay type questions to the class. 2. Call Individual Pupils at random to answer questions. 3. Discuss questions with the Learners.	1. Marking Scheme 2. Examination Questions 3. Pupils answer sheets 4. Pupils note books	**Samples of Essay Type Questions;** 1. (a) In a class of 60 students, the number of students who like Mathematics is 15 more than the number who like science. 12 like both Mathematics and science and 9 do not like any of the two subjects. (i) Illustrate the information on Venn diagram. (ii) Find the number of students who like science. (iii) How many students like exactly one of the two subjects? (b) Simplify $\frac{2x-1}{4} - \frac{x-2}{3}$ 3. (a) Plot of land measured 90m by 60m. A farmer cultivated corn on $\frac{2}{5}$ of	(a) The letters in the word MATHEMATICS is placed on a box. What is the probability of taking out a letter that is (i) a vowel? (ii) M?

		areas in the examination.			the land, and tomato on $\frac{3}{4}$ of the remaining portion. Calculate: (i) the area of the land. (ii) the fraction of the land used to cultivate tomatoes. The area of the land left uncultivated. (b) If $\frac{5}{10}$ of a number if 10 greater than $\frac{1}{3}$ of the same number, find the number. 3. (a) Using a scale off 2cm to 1 unit on both axes, draw two perpendicular axis OX and OY on a graph sheet. Label the x-axis from -5 to 5 and the Y-axis from -6 to 6. (b) Draw on the same graph sheet, indicating all vertices and their coordinates. (i) ΔABC with vertices A(2, 1) B(1, 4) and C(-1, 2). (ii) The image $\Delta A_1B_1C_1$ of ΔABC under a reflection in the line y = 0 where A → A_1, B → B_1 and C → C_1 (iii) The image $\Delta A_2B_2C_2$ of ΔABC under translation by vector $\begin{pmatrix}-2\\1\end{pmatrix}$ where A → A_2, B → B_2 and C → C_2. (iv) The image $\Delta A_3B_3C_3$ of ΔABC under an anticlockwise rotation of 90^0 about the	(b) A profit of GH¢189.00 was shared between a group of 3 boys and 4 girls in the ratio 5:2 respectively. (i) How much did each group receive? (ii) If the girls shared their profit equally, how much did each girl receive? (c) Solve the equation: $\frac{4x+5}{5} + \frac{x+3}{4} = -1$

					origin where A → A_3, B → B_3 and C → C_3. (v) What single transformation maps $\Delta A_2B_2C_2$ to $\Delta A_3B_3C_3$ where A_1 → A_3, B_1 → B_3 and C_1 → C_3.	
THURSDAY **9:15AM – 10:25AM 70mins**		**Objective;** By the end of the lesson the Pupil will be able to; i. Remember lessons treated in the previous term ii. Choose from options correct answers to multiple-choice questions. **RPK** Pupils were taught lessons on all the topic areas in the examination.	1. Call Individual Pupils at random to choose correct answers among options. 2. Pupils brainstorm to give reasons or explanations to their answers. 3. Discuss with Pupils answers to challenging multiple choice.		**Samples of Objective Test Questions;** 1. If M = {2, 4, 6, 8, 10} and N = {4, 5, 6, 7, 8, 9}. Find M ∩N A. {4, 6, 8} B. {4, 8} C. {2, 4, 6, 7, 8, 9, 10} D. {4, 6} 2. If 0.000689 = 6.89 + 10^n, find the value of n. A. -4 B. -3 C. 3 D. 4 3. Evaluate $\frac{1}{2}[(7 - 3) – (4 - 10)]$ A. -5 B. -1 C. 1 D. 5 4. If -1(x - 1) = -2, find the value of x. A. 3 B. 2 C. -2 D. -3 5. Expand (t - 1)(t + 1) - 1 S. t^2 + 1 B. t^2 - 1 C. t^2 + 2 D. t^2 - 2	1. What is the image off 3 under the mappin g x → 3x + 7 ? A. 10 B. 13 C. 16 D. 24 2. Simplify 4^4 x 2^6 A. 2^{10} B. 2^{14} C. 2^{15} D. 2^{16} 3. Find the slope of the line x – 2y = 11

						A. -3 B. $-\frac{1}{2}$ C. $\frac{1}{2}$ D. 3 16. What is the area of a square whose diagonal is 14cm? A. $7cm^2$ B. $28cm^2$ C. $49cm^2$ D. $98cm^2$ 4. The data shows the marks obtained by students in a class test: 21, 32, 16, 27, 22, 19, 10,. Use the information to answer question 17 and 18

						5. Find the median mark. A. 16 B. 19 C. 21 D. 22

Name of Teacher: ***School:*** ***District:***