GIRLS' HIGH SCHOOL
MATHEMATICS DEPARTMENT
Form 2 Academic Year 2025-2026

Form 2 Teachers: Mrs. C. Daniel, Mrs. A. Jack and Mrs. J. Lewis-McLean

Term 1

Topics	Objectives
Integers and Rational numbers	1. Compare and order any given set of integers or rational numbers (including negative ones) 2. Perform Addition and subtraction on integers and rational numbers (emphasis on negative ones) with and without use of number line. 3. Perform Multiplication and division on integers and rational numbers (emphasis on negative ones). 4. Perform order of operation on integers and rational numbers (emphasis on negative ones). 5. Perform worded problems with emphasis on Negative numbers. 6. Negative numbers Test
Ratio and Proportion	1. Compare two quantities using ratio 2. Express ratio in the form a to b or a : b or a/b 3. Reduce a given ratio to its simplest form 4. Find the ratio of two quantities measured in different units 5. Write a ratio equivalent to a given ratio 6. Calculate the missing quantity, given two equivalent ratios 7. Use ratios to solve problems in sharing.
Sets and Venn diagram	1. Use a phrase to describe a set 2. List the members of a set from a given description 3. Give examples of sets 4. Define, describe and give examples of empty sets 5. Identify and distinguish between sets which are equivalent and sets which are equal 6. Identify the cardinal number of a set 7. Distinguish between finite and infinite sets 8. Identify and construct subsets of a given set inclusion relations example: $N \subset W \subset Z \subset Q \subset R$ 9. Determine the complement of a given set, given the universal set. 10. Determine and count the elements in the intersection and union of two sets 11. Construct and use Venn diagrams to show subsets, complements and the intersection and union of sets. 12. Determine the number of elements in named subsets of two intersecting sets, given the number of elements in some of the other subset
Fractions, decimals, percentage	1. Perform the four basic operations (add, subtract, multiply and divide) with fractions and decimals. *[Performing operations with fractions, decimals and percentages; order of operations; converting between fractions, decimals and percentages; expressing one number as a percentage of another]*
Approximation	1. Express any decimal to a given number of decimal places. 2. Approximate by rounding off to the nearest whole number: tens, hundreds, tenths, hundredths etc. 3. Approximate a value to a given number of significant figures
Measurement	1. Define the term perimeter 2. Calculate the perimeter of irregular shapes when all sides are given 3. Calculate the perimeter of irregular shapes when a side is not known 4. State a non – example of a perimeter 5. Identify and list the properties of the following plane shapes: Triangle, Square, Rectangle 6. State the perimeter including: a. Perimeter of a square: A= 4L b. Perimeter of rectangle: P = 2(L+W) c. Perimeter of a triangle with sides a, b & c: $P = a + b = c$ 7. Explain the concept of area by counting squares and by deriving the formula 8. Calculate the area of the plane shapes listed in #5 including a. Area of rectangle: $A = L \times W$ b. Area of square: $A = L^2$ 9. Area of triangle = $\frac{1}{2}bh$
Investigation	1. Perform series of pattern