



GIRLS' HIGH SCHOOL
MATHEMATICS DEPARTMENT
Form 1 Academic Year 2025-2026

Form 1 Teachers: Mrs. C. Daniel and Mrs. A. Jack

Term 1

| Topic | Objectives |
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| Number Theory | <ol style="list-style-type: none"> 1. Distinguish between place value and face value 2. Distinguish among sets of numbers: Natural, whole, integers, rational, real, square, even, odd, prime and composite 3. Order a set of real numbers 4. Generate a term of the sequence given a rule 5. List the set of factors or a set of multiples of a given positive integer or a set of positive integers 6. Compute the H.C.F. or L.C.M. of two or more positive integers. 7. Apply application problems to L.C.M and H. C. F 8. Identify and apply the commutative, associative and distributive laws |
| Computation with Fraction/Decimal | <ol style="list-style-type: none"> 1. Perform the four basic operations (add, subtract, multiply and divide) with fractions and decimals. 2. Perform operations with fractions, decimals and percentages; order of operations; converting between fractions, decimals and percentages; expressing one number as a percentage of another |
| Approximation | <ol style="list-style-type: none"> 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. |
| Consumer Arithmetic Computation w. Fraction/Decimal | <ol style="list-style-type: none"> 1. Identify the function of money 2. Compute the total price given quantity and unit price 3. Compute the unit price given the total quantity and total price 4. Identify best buys and bargains by comparing unit cost 5. Calculate actual profit or loss when the cost price and selling price are given. 6. Calculate the profit or loss percent. 7. Calculate the marked price (or Selling Price) when cost price and percentage profit or loss are given 8. Calculate discount and sales tax 9. Express a profit, loss, discount, markup, purchase tax as a percentage of some value |
| Lines | <ol style="list-style-type: none"> 1. Draw a line segment 2. Distinguish between a line and a line segment 3. Identify and define a ray 4. Distinguish between horizontal lines and vertical lines 5. Identify parallel, perpendicular and intersecting lines |
| Angles | <ol style="list-style-type: none"> 1. Estimate the size of angles in degrees 2. Identify and sketch different types of angles (acute, obtuse, straight, right and reflex) 3. Measure and construct angles using a protractor |
| Coordinate Geometry | <ol style="list-style-type: none"> 1. Identify the X and Y axes 2. Identify the X and Y coordinates 3. Relate ordered pairs to the X and Y axes 4. Identify the region of quadrants 1 - 4 5. Read points from the Cartesian plane. 6. Plot points on the Cartesian plane. (1cm to rep. 1 unit) 7. Write coordinates of points as ordered pairs 8. Connect points on the Cartesian plane to form plane |
| Investigation | <ol style="list-style-type: none"> 1. Perform series of pattern |