

ABRAHAM LINCOLN AMERICAN ACADEMY

FIRST QUARTER SYLLABUS

TEACHER: **UCHE STANLEY ONYEKACHI**

SUBJECT AND GRADE: **MATH, GRADE 6**

DATE: **12TH SEPTEMBER 2022 – 11TH NOVEMBER 2022**

Topics

Whole numbers

Objectives

Roman and Greek numerals
Generate Equivalent Forms of Whole Numbers
Comparing and Ordering Whole Numbers
Rounding Whole Numbers
Estimating Whole Numbers

Whole numbers

Objectives

Adding and Subtracting Whole Numbers
Multiplying and Dividing Whole Numbers
Dividing Whole Numbers
Using the Standard Algorithm to Divide 4-Digit
Dividends by 2-Digit Divisors
Problem Solving Strategies

Operations with whole numbers

Objectives

Exponents and square roots
Order of Operations (GEMDAS)
Variables and Expressions

Operations with whole numbers

Objectives

Properties of Addition and Multiplication
Patterns and Sequences
One-Step Equations with Whole Numbers

Operations with whole numbers

Objectives

Perimeter
Area
Problem Solving

Decimals

Objectives

- Generate equivalent forms of decimals
- Comparing and Ordering Decimals
- Estimating and Rounding Decimals
- Adding and Subtracting Decimals

Decimals

Objectives

- Multiplying Decimals
- Dividing Decimals
- Scientific Notation
- One-Step Equations with Decimals
- Problem Solving

Fractions

Objectives

- Introduction to fractions
- Lowest Common Multiple
- Least Common Denominator
- Divisibility Patterns
- Introduction to Prime and Composite Numbers

Fractions

Objectives

- Factors and GCF
- Simplify Fractions
- Equivalent Fractions
- Fractions and Decimals
- Comparing and Ordering Fractions

First Quarter Syllabus: Grade 6 Math			
Week	Day	Topic	Learning Objectives: At the end of the lesson, the students should be able to;
Week 1 12/09 – 16/09	Mon	Roman and Greek numerals	Students will use Roman and Greek numerals
	Tue	Generate Equivalent	Students will find equivalent forms for whole numbers

		Forms of Whole Numbers	
	Wed	Comparing and Ordering Whole Numbers	Students will compare and order whole numbers up to one trillion
	Thu	Rounding Whole Numbers	Students will round whole numbers up to one trillion
	Fri	Estimating Whole Numbers	Students will estimate whole numbers when solving problems
Week 2 19/09 – 23/09	Mon	Adding and Subtracting Whole Numbers	Students will add and subtract whole numbers up to one trillion
	Tue	Multiplying and Dividing Whole Numbers	Students will multiply and divide whole numbers up to four digits
	Wed	Dividing Whole Numbers	Students will divide whole numbers with the dividend being no larger than five digits and the divisor being no more than three digits
	Thu	Using the Standard Algorithm to Divide 4-Digit Dividends by 2-Digit Divisors	Students will use the standard algorithm to divide 4-digit dividends by 2-digit divisors
	Fri	Problem Solving Strategies	Students will apply strategies in order to solve real-life problems
Week 3 26/09 – 30/09	Mon	Exponents and square roots	Students will evaluate expressions using exponents and square roots

	Tue	Exponents and square roots	Students will evaluate expressions using exponents and square roots
	Wed	Order of Operations (GEMDAS)	Students will solve multiplication problems that involve two-digit by two-digit multiplication as well as three-digit by two-digit multiplication
	Thu	Order of Operations (GEMDAS)	Students will apply the order of operations in order to solve problems
	Fri	Variables and Expressions	Students will use variables in order to simplify expressions
Week 4 10/03 – 10/07	Mon	Properties of Addition	Students will apply properties of addition when solving problems
	Tue	Properties of Multiplication	Students will apply properties of multiplication when solving problems
	Wed	Patterns and Sequences	Students will identify patterns, arithmetic and geometric sequences
	Thu	Fun Activities on Patterns and Sequences	
	Fri	One-Step Equations with Whole Numbers	Students will solve one-step equations using only whole numbers
Week 5 10/10 – 10/14	Mon	Perimeter	Students will find the perimeter of given shapes

	Tue	Calculating the Perimeter of Plane Shapes	Students will find the perimeter of given shapes
	Wed	Area	Students will identify the area of a given shape
	Thu	Calculating the Area of Plane Shapes	Students will identify the area of a given shape
	Fri	Problem Solving	Students will use choose the method for computation and use models and concrete objects to solve real-life problems
Week 6 10/17 – 10/21	Mon	Generate equivalent forms of decimals	Students will identify decimal place value and write the number in standard, written and expanded form
	Tue	Comparing and Ordering Decimals	Students will compare and order decimals including using a number line
	Wed	Estimating and Rounding Decimals	Students will round and estimate decimals in performing all four operations
	Thu	Fun Activities on Decimals	
	Fri	Adding and Subtracting Decimals	Students will add and subtract decimals using money
Week 7 10/24 – 10/28	Mon	Multiplying Decimals	Students will multiply and round decimals

	Tue	Dividing Decimals	Students will divide by whole numbers and decimals
	Wed	Dividing Decimals	Students will divide by whole numbers and decimals
	Thu	Scientific Notation	Students will compare rational numbers using scientific notation
	Fri	Problem Solving on One-Step Equations with Decimals	Students will solve one-step equations with decimals using addition, subtraction, multiplication and division, and also use the guess and check and reasonableness strategies in order to solve real-life problems
Week 8 10/31 – 11/04	Mon	Introduction to fractions	Students will identify pictorial and numerical representations of fractions and mixed numbers
	Tue	Lowest Common Multiple	Students will find the lowest common multiple of more than two numbers
	Wed	Least Common Denominator	Students will find the least common denominator for two or more fractions
	Thu	Divisibility Patterns	Students will learn divisibility rules for 2, 3, 4, 5, 6, 9 and 10 for sets of numbers
	Fri	Introduction to Prime and	Students will solve problems using prime factorization

		Composite Numbers	
Week 9 11/07 – 11/11	Mon	Factors and GCF	Students will find the factors of whole numbers by listing factors and using prime factorization
	Tue	Simplify Fractions	Students will simplify fractions with prime factorization and greatest common factor. Students will also show division remainders as simplified fractions
	Wed	Equivalent Fractions	Students will find equivalent fractions by finding the missing variable and applying concepts used to find equivalent fractions for improper fractions and mixed numbers
	Thu	Fractions and Decimals	Students will find equivalent forms for decimals and fraction including repeating decimals
	Fri	Comparing and Ordering Fractions	Students will compare and order fractions including using a number line