

**ABRAHAM LINCOLN AMERICAN ACADEMY**

**FIRST QUARTER SYLLABUS**

**TEACHER:** **UCHE STANLEY ONYEKACHI**

**SUBJECT AND GRADE:** **MATH, GRADE 5**

**DATE:** **12<sup>TH</sup> SEPTEMBER 2022 – 11<sup>TH</sup> NOVEMBER 2022**

**Topics**

Whole numbers

Objectives

Roman and Greek numerals

Read and Write Whole Numbers

Expanding Whole Numbers up to Billions

Whole numbers

Objectives

Comparing and Ordering Whole Numbers

Round Numbers

Estimate Sums and Differences

Evaluating for Reasonableness

Operations with whole numbers

Objectives

Addition and subtraction

Theory of Multiplication

Multiplying up to 3-digit by 2-digit

Problem Solving with Multiplication

Operations with whole numbers

Objectives

Determining Greatest Common Factor

Determining Least Common Multiple

Exponents

Powers of 10 and Multiplying by Powers of 10

Exploring Exponents as Repeated Multiplication

Operations with whole numbers

Objectives

Division

Estimating Quotients

Divisibility Rules

Applying Division: Interpreting Remainders

Operations with whole numbers

## Objectives

Order of Operations

Identifying Prime and Composite Numbers

Prime Factorization

Problem Solving

## Decimals

### Objectives

Understanding place value

Read and Write to Thousandths

Decimals on Number Lines

Compare and Order Decimals

Rounding Decimals

## Decimals

### Objectives

Adding and Subtracting Decimals

Estimating Sums and Differences with Decimals

Multiplying Decimals

## Decimals

### Objectives

Dividing Decimals

Estimating Products and Quotients with Decimals

Percent

Working with Percent

First Quarter Syllabus: Grade 5 Math			
Week	Day	Topic	Learning Objectives: At the end of the lesson, the students should be able to;
<b>Week 1</b> 12/09 – 16/09	Mon	Roman and Greek numerals	Students will use Roman and Greek numerals
	Tue	Read and Write Whole Numbers	Students will use numeric digits and words to read and write numbers up to the unit billion
	Wed	Read and Write Whole Numbers	Students will use numeric digits and words to read and write numbers up to the hundred billion

	Thu	Expanding Whole Numbers up to millions	Students will show numbers in standard and expanded form up to the millions place
	Fri	Expanding Whole Numbers up to Billions	Students will show numbers in standard and expanded form up to the billions place
<b>Week 2</b> 19/09 – 23/09	Mon	Comparing and Ordering Whole Numbers	Students will compare and order numbers using place value chart and number lines
	Tue	Round Numbers	Students will round numbers up to one billion and use concept of rounding to solve real-world problems
	Wed	Estimate Sums and Differences	Students will use estimation strategies to solve real-world problems in which they will find the sum and the difference
	Thu	Estimate Sums and Differences	Students will use estimation strategies to solve real-world problems in which they will find the sum and the difference
	Fri	Evaluating for Reasonableness	Students will estimate and evaluate items for reasonableness and determine the reasonableness of given answers
<b>Week 3</b> 26/09 – 30/09	Mon	Addition and subtraction	Students will add and subtract whole numbers
	Tue	Theory of Multiplication	Students will multiply whole numbers
	Wed	Multiplying up to 3-digit by 2-digit	Students will solve multiplication problems that involve two-digit by two-digit

			multiplication as well as three-digit by two-digit multiplication
	Thu	Multiplying up to 3-digit by 2-digit	More on three-digit by two-digit multiplication
	Fri	Problem Solving with Multiplication	Students will solve real-world problem involving estimation with two-by-two-digit multiplication as well as three-digit by two-digit multiplication
<b>Week 4</b> 10/03 – 10/07	Mon	Determining Greatest Common Factor	Students will determine the greatest common factor of given numbers
	Tue	Determining Least Common Multiple	Determine the least common multiple of given numbers
	Wed	Exponents	Students will use exponents to solve problem
	Thu	Powers of 10 and Multiplying by Powers of 10	Students will identify powers of 10 through the 6th power, and also, use patterns when multiplying by powers of ten
	Fri	Exploring Exponents as Repeated Multiplication	Students will explore exponents as repeated multiplication
<b>Week 5</b> 10/10 – 10/14	Mon	Division	Students will divide to solve problems
	Tue	Estimating Quotients	Students will use compatible numbers to estimate quotients
	Wed	Divisibility Rules	Students will apply the divisibility rules of 2, 3, 5, 9, and 10 to various numbers

	Thu	Fun Activities on Divisibility Rules	Students will apply the divisibility rules of 2, 3, 5, 9, and 10 to various numbers
	Fri	Applying Division: Interpreting Remainders	Students will interpret remainders and apply the concepts in order to identify what remainders signify
<b>Week 6</b> 10/17 – 10/21	Mon	Order of Operations	Students will use order of operations to solve problems
	Tue	Identifying Prime and Composite Numbers	Students will define and identify prime and composite numbers up to 50. Students will find the prime factorization of numbers up to 50
	Wed	Prime Factorization	Students will write factors of numbers using prime numbers only and prime factorization
	Thu	Problem Solving	Students will solve real-life problems
	Fri	Problem Solving	Students will solve real-life problems
<b>Week 7</b> 10/24 – 10/28	Mon	Understanding place value	Students will understand that a digit in one place represents 10 times as much as it represents in the place to its right and one-tenth of what it represents in the place to its left
	Tue	Read and Write to Thousandths	Students will read and write numbers to the thousandths in written and standard form and show equivalencies between the two

	Wed	Decimals on Number Lines	Students will identify the number and place on the number line to signify given decimals
	Thu	Compare and Order Decimals	Students will use $<$ , $>$ and $=$ to compare decimals through thousandths. Students will order decimals through thousands
	Fri	Rounding Decimals	Students will round decimals to an identified place value and to the nearest half or whole number
<b>Week 8</b> 10/31 – 11/04	Mon	Adding Decimals	Students will add decimals
	Tue	Subtracting Decimals	Students will subtract decimals
	Wed	Estimating Sums with Decimals	Students will estimate sums with decimals
	Thu	Estimating Differences with Decimals	Students will estimate differences with decimals
	Fri	Multiplying Decimals	Students will multiply decimals by other decimals
<b>Week 9</b> 11/07 – 11/11	Mon	Dividing Decimals	Students will divide decimals with decimals and whole number in both the divisor and dividend
	Tue	Dividing Decimals	Students will divide decimals with decimals and whole number in both the divisor and dividend
	Wed	Estimating Products and	Students will estimate products and quotients using decimals

		Quotients with Decimals	
	Thu	Percent	Students will identify percent
	Fri	Working with Percent	Students will find the percent of a number and solve real-world problems using percent