

ABRAHAM LINCOLN AMERICAN ACADEMY

FIRST QUARTER SYLLABUS

TEACHER: UCHE STANLEY ONYEKACHI

SUBJECT AND GRADE: MATH, GRADE 4

DATE: 12TH SEPTEMBER 2022 – 11TH NOVEMBER 2022

Topics

Number theory and systems

Objectives

Standard and expanded form:

Write numbers

Order numbers and compare numbers

Rounding numbers

Addition and subtraction

Objectives

Add whole numbers

Subtract whole numbers

Estimate sums and differences

Multiplication

Objectives

Multiples and common multiples

Using Multiplication to Solve Problems

Multiplication Equations

Partial Products

Multiplication

Objectives

Multiply Large Numbers

Multiple Factors

Factors and Common Factors

Division

Objectives

Meaning of Division

Divide 2-digits by 1-digit

Strategies for Dividing

Dividing with 1-digit Divisors

Dividing with Remainders

Division

Objectives

Using Division to Compare
Dividing with 2-digit Divisors
Dividing by 10 and 100
Average

Fractions and decimals

Objectives

Parts of a set or a whole:
Improper Fractions
Equivalent Tenths and Hundredths
Equivalent Fractions

Fractions and decimals

Objectives

Simplifying Fractions to Whole Numbers
Fractions of Whole Numbers
Fractions of Whole Numbers
Compare and Order Fractions
Join and Separate Fractions

Fractions and decimals

Objectives

Add Fractions with Like Denominators
Subtract Fractions with Like Denominators
Decomposing Fractions
Decomposing Improper Fractions
Add and Subtract Fractions

First Quarter Syllabus: Grade 4 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	Standard and expanded form	Convert numbers containing two to nine digits from standard form to expanded form and vice versa
	Tue	Writing numbers	Write numbers up to nine digits using oral cues and written cues

	Wed	Comparing and ordering numbers	Order numbers up to nine digits and compare numbers using the symbols, and =
	Thu	Further activities on Standard and expanded form	Convert numbers containing two to nine digits from standard form to expanded form and vice versa
	Fri	Rounding numbers	Round numbers to the nearest ten, hundred, thousand, ten thousand, and hundred thousand
Week 2 19/09 – 23/09	Mon	Add whole numbers	Add whole numbers (4-digits, up to 3 numbers).
	Tue	Subtract whole numbers	Subtract 4-digit numbers with multiple zeros.
	Wed	Addition and subtraction of whole numbers	Add whole numbers (4-digits, and Subtract 4-digit numbers with multiple zeros.
	Thu	Introduction to estimation of sums and differences	Estimate sums and differences using rounding and compatible numbers.
	Fri	Estimate sums and differences	Estimate sums and differences using rounding and compatible numbers.
Week 3 26/09 – 30/09	Mon	Multiples and common multiples	Define multiples, and list multiples of a given number. Identify common multiples of two given numbers
	Tue	Multiples and common multiples	Define multiples, and list multiples of a given number. Identify common multiples of two given numbers

	Wed	Using Multiplication to Solve Problems	Multiplication will be used to solve problems
	Thu	Multiplication Equations	Interpret a multiplication equation
	Fri	Partial Products	Estimate sums and differences using rounding
Week 4 10/03 – 10/07	Mon	Multiply Large Numbers	Multiply 2-digit numbers with 2 and 3-digit numbers
	Tue	Multiply Large Numbers	Multiply 2-digit numbers with 2 and 3-digit numbers
	Wed	Multiple Factors	Multiply multiple factors
	Thu	Fun Activities on Multiple Factors	Multiply multiple factors
	Fri	Factors and Common Factors	Identify factors of a given number and common factors of two given numbers
Week 5 10/10 – 10/14	Mon	Meaning of Division	Find whole-number quotients and remainders with one-digit divisors. Illustrate and explain the calculation by using equations, standard algorithms, and models
	Tue	Divide 2-digits by 1-digit	Divide two-digit dividends by one-digit divisors, with and without remainders
	Wed	Strategies for Dividing	Find whole-number quotients and remainders with one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division

	Thu	Dividing with 1-digit Divisors	Divide dividends up to four-digits by one-digit with and without remainders (include quotients with 0's)
	Fri	Dividing with Remainders	Solve one-step and two-step word problems in which remainders must be interpreted
Week 6 10/17 – 10/21	Mon	Using Division to Compare	Division will be used to compare
	Tue	Dividing with 2-digit Divisors	Solve two-digit division problems with and without remainders
	Wed	Dividing by 10 and 100	Apply understanding of place value when solving problems involving multiplication by 10 or 100 and division by 10 or a multiple of 10
	Thu	Average	Find the average of a set of numbers
	Fri	Fun Activities on Average	Find the average of a set of numbers
Week 7 10/24 – 10/28	Mon	Parts of a set or a whole	Match parts of a set and parts of a whole with equivalent fractions with denominators up to 12
	Tue	Improper Fractions	Identify improper fractions, and convert between improper fractions and mixed numbers
	Wed	Equivalent Tenths and Hundredths	Express a fraction with denominator 10 as an equivalent fraction with denominator 100
	Thu	Equivalent Fractions	Recognize equivalent fractions. Reduce fractions to lowest terms
	Fri	Fun Activities on Equivalent Fractions	Recognize equivalent fractions. Reduce fractions to lowest terms

Week 8 10/31 – 11/04	Mon	Simplifying Fractions to Whole Numbers	Simplify improper fractions to whole numbers using models
	Tue	Fractions of Whole Numbers	Explore fractions that simplify to whole numbers
	Wed	Fractions of Whole Numbers	Explore fractions that simplify to whole numbers
	Thu	Compare and Order Fractions	Order fractions with like and unlike denominators 1 through 12 and compare fractions using the symbols, and =
	Fri	Join and Separate Fractions	Learn how adding fractions is joining parts related to the same whole, and how subtracting fractions is separating parts related to the same whole
Week 9 11/07 – 11/11	Mon	Add Fractions with Like Denominators	Solve word problems involving addition of fractions with like denominators by using fraction models and equations
	Tue	Subtract Fractions with Like Denominators	Solve word problems involving subtraction of fractions with like denominators by using fraction models and equations
	Wed	Decomposing Fractions	Decompose a fraction into a sum of fractions with the same denominator in more than one way using a visual fraction model
	Thu	Decomposing Improper Fractions	Decompose an improper fraction into a sum of fractions with the same denominator in more than one way and record each decomposition with an equation
	Fri	Add and Subtract Fractions	Add and subtract fractions with like denominators

