

ABRAHAM LINCOLN AMERICAN ACADEMY

FIRST QUARTER SYLLABUS

TEACHER: **UCHE STANLEY ONYEKACHI**

SUBJECT AND GRADE: **MATH, GRADE 3**

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

Topics

Number theory and systems

Objectives

Expanded form

Writing numbers

Comparing and ordering numbers

Number theory and systems

Objectives

Rounding to the nearest 10

Rounding to the nearest 100

Rounding numbers

Addition and subtraction

Objectives

Addition

Subtraction

Estimate sums and differences

Multiplication

Objectives

Introduction to multiplication

Multiples and arrays

Multiply 2-digits by 1-digit

Multiply by a multiple of 10

Division

Objectives

Introduction to division

Division facts

Interpreting quotients

Division word problems

Divide 2-digits by 1-digit

Number patterns

Objectives

Identifying patterns on an addition table

Identifying patterns on a multiplication table

Multiplication and division problem solving

Objectives

- Multiplying and dividing to solve word problems
- Understanding division as an Unknown-Factor problem
- Using strategies to multiply within 100
- Using strategies to divide within 100

Fractions

Objectives

- Understanding fractions of a whole
- Representing fractions on a number line
- Understanding equivalent fractions with models and a number line
- Comparing two fractions with same numerator and denominator

Fractions

Objectives

- Identify parts of a set and parts of a whole with equivalent fractions with denominators up to 10
- Identify equivalent fractions. ($\frac{1}{2} = \frac{2}{4}$)
- Order fractions with like denominators and compare fractions using the symbols $<$, $>$, and $=$.

First Quarter Syllabus: Grade 3 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	Expanded form	Convert numbers containing two to six digits from standard form to expanded form and vice versa
	Tue	Writing numbers	Write numbers up to six digits using oral and written cues

	Wed	Comparing and ordering numbers	Order numbers up to six digits and compare numbers using the symbols $<$, $>$, and $=$
	Thu	Writing numbers	Write numbers up to six digits using oral and written cues
	Fri	Expanded form	Convert numbers containing two to six digits from standard form to expanded form and vice versa
Week 2 19/09 – 23/09	Mon	Rounding to the nearest 10	Round numbers up to the ten-thousands to the nearest ten
	Tue	Rounding to the nearest 10	Use number lines and knowledge of place value
	Wed	Rounding to the nearest 100	Round numbers up to the ten-thousands to the nearest hundred
	Thu	Rounding to the nearest 100	Use number lines and knowledge of place value
	Fri	Rounding numbers	Round numbers to the nearest ten, to the nearest hundred, and to the nearest thousand
Week 3 26/09 – 30/09	Mon	Addition	Add three or more single digit addends. (grouping property)
	Tue	Addition	Add 2- and 3-digit numbers. (with and without regrouping)
	Wed	Subtraction	Subtract 2-and 3-digit numbers. (with regrouping) Subtract 2-

			and 3-digit numbers when minuend has multiple zeros. (with regrouping)
	Thu	Further activities on addition and subtraction	To ascertain the level of understanding of the previous activities on addition and subtraction
	Fri	Estimate sums and differences	Estimate sums and differences using rounding
Week 4 10/03 – 10/07	Mon	Introduction to multiplication	An introduction to multiplication ($0-12 \times 0-12$) including multiplication by 0 and 1, using arrays and tables
	Tue	Multiples and arrays	Define and list multiples of a given number (1-10). Explore multiplication as repeated addition and arrays
	Wed	Multiply 2-digits by 1-digit	Multiply two whole numbers with and without regrouping in which one factor is a one-digit number and the other is a 2-digit number. Multiply mentally by 10, 100, and 1000
	Thu	Multiply by a multiple of 10	Multiply one-digit whole numbers by multiples of 10 in the range 10 – 90 using strategies based on place value and properties of operations
	Fri	Multiply by a multiple of 10	Multiply one-digit whole numbers by multiples of 10 in the range 10 – 90 using strategies based on

			place value and properties of operations
Week 5 10/10 – 10/14	Mon	Introduction to division	An introduction to simple division problems including divisions involving 0 and 1 and divisions involving remainders using tables and other manipulatives
	Tue	Division facts	Recognize and use basic division facts to $100 \div 10$, and identify dividend, divisor, and quotient. Describe these division properties: you cannot divide by 0, and any number divided by 1 equals that number
	Wed	Interpreting quotients	Represent and solve problems involving division. Interpret quotients of whole number as the either the number of objects in each share when objects are partitioned equally, or as the number of shares
	Thu	Division word problems	Represent and solve problems involving division. Use division within 100 to solve word problems in situations involving equal groups by using drawings and equations with a symbol for the unknown number to represent the problem
	Fri	Divide 2-digits by 1-digit	Divide two-digit dividends by one-digit divisors, with and without remainders

Week 6 10/17 – 10/21	Mon	Mental Math Exercises	
	Tue	Mental Math Exercises	
	Wed	Identifying patterns on an addition table	Identify arithmetic patterns using an addition table
	Thu	Mental Math Exercises	
	Fri	Identifying patterns on a multiplication table	Identify arithmetic patterns using a multiplication table, and explain them using properties of operations
Week 7 10/24 – 10/28	Mon	Multiplying and dividing to solve word problems	Solve a multi-step word problem using multiplication and division
	Tue	Understanding division as an Unknown-Factor problem	Understand division as an unknown-factor problem
	Wed	Using strategies to multiply within 100	Understand multiplication and use strategies to fluently multiply within 100
	Thu	Mental Math Exercises	
	Fri	Using strategies to divide within 100	Understand division and use strategies to fluently divide within 100
Week 8 10/31 – 11/04	Mon	Understanding fractions of a whole	Recognize fractions as part of a whole and understand the meaning

			of the numerator and the denominator
	Tue	Representing fractions on a number line	Identify the fraction shown by a point on a number line and learn how to place a fraction on a number line
	Wed	Understanding equivalent fractions with models and a number line	Understand two fractions as equivalent if they are the same size, or the same point on a number line
	Thu	Mental Math Exercises	
	Fri	Comparing two fractions with same numerator and denominator	Compare two fractions with the same numerator or the same denominator using fraction models
Week 9 11/07 – 11/11	Mon	Identify parts of a set and parts of a whole with equivalent fractions with denominators up to 10	Identify parts of a set and parts of a whole with equivalent fractions with denominators up to 10
	Tue	Identify equivalent fractions. ($\frac{1}{2} = \frac{2}{4}$)	Identify equivalent fractions. ($\frac{1}{2} = \frac{2}{4}$)
	Wed	Mental Math Exercises	
	Thu	Mental Math Exercises	

	Fri	Compare and Order Fractions	Order fractions with like denominators and compare fractions using the symbols $<$, $>$, and $=$
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