Teacher: Kitt, Miller, Davis, Clancy Course: Math Grade Level(s): 5th grade	
	Month: August/September Topic(s): • TOPIC 1: Place Value • TOPIC 2: Adding and Subtracting Decimals
Content/Big Ideas	**Numbers and Operations** • Number uses, classifications, and representation • Numbers and the number line • Base-ten numeration system • Comparisons and relationships • Properties • Basic facts and algorithms • Estimation • Patterns, Relations, and Functions • Practices, Processes, and Proficiencies
Essential Questions	• How are the whole numbers and decimals written, compared and ordered? • How can sums and differences of decimals be estimated? • What are the standard procedures for adding and subtracting whole numbers and decimals?
Concepts	• Extending division to two-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations. • Understanding the place value system. • Perform operations with multi-digit whole numbers and with decimals to hundredths.
Competencies	• Decimal place value • Addition and subtraction of tenths and hundredths
Standards/Benchmarks	• CC.2.1.5.B.1 • CC.2.1.5.B.2
Activities & Assessments	• Fact fluency sheets • Daily common core review • Quick checks • Leveled homework • Topic tests

Teacher: Kitt, Miller, Davis, Clancy Course: Math Grade Level(s): 5th grade	
	Month: October Topic(s): • TOPIC 3: Multiplying Whole Numbers • TOPIC 4: Dividing by One-Digit Divisor
Content/Big Ideas	**Numbers and Operations** • Properties • Basic facts and algorithms • Estimation • Patterns, Relations, and Functions • Practices, Processes, and Proficiencies
Essential Questions	• What are the standard procedures for estimating and multiplying whole numbers? • What is the standard procedure for division and why does it work?
Concepts	• Extending division to two-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations. • Perform operations with multi-digit whole numbers and decimals to the hundredths. • Understand the place value system.
Competencies	• Multiplication of whole numbers • Division of whole numbers by one-digit divisors
Standards/Benchmarks	• CC.2.1.5.B.1 • CC.2.1.5.B.2 • CC.2.2.5.A.1
Activities & Assessments	• Fact fluency sheets • Daily common core review • Quick checks • Leveled homework • Topic tests

Teacher: Kitt, Miller, Davis, Clancy Course: Math Grade Level(s): 5	
	Month: November Topic(s): Topic 5: Dividing by 2 Digit Divisors Topic 6: Multiplying Decimals
Content/Big Ideas	NUMBER AND OPERATIONS IN BASE TEN (NBT) • Number Uses, Classification, and Representation • Numbers and the Number Line • The Base-Ten Numeration System • Comparison and Relationships • Properties • Basic Facts and Algorithms • Estimation • Patterns, Relations, and Functions • Practices, Processes, and Proficiencies
Essential Questions	What is the standard procedure for dividing with two-digit divisors? What are the standard procedures for estimating and finding products involving decimals?
Concepts	Extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations. • Perform operations with multi-digit whole numbers and with decimals to hundredths. • Understand the place value system
Competencies	• Division of whole numbers by 1-digit divisors • Multiplication of whole numbers by 1-digit divisors
Standards/Benchmarks	• CC.2.1.5.B.1 • CC.2.1.5.B.2
Activities & Assessments	• Fact Fluency • Daily Common Core • Quick Checks • Leveled Homework • Quizzes • Topic Tests

Teacher: Kitt, Miller, Davis, Clancy	Course: Math	Grade Level(s): 5
	Month: December Topic(s): Topic 7	
Content/Big Ideas	NUMBER AND OPERATIONS IN BASE TEN (NBT) • Number Uses, Classification, and Representation • Numbers and the Number Line • The Base-Ten Numeration System • Comparison and Relationships • Properties • Basic Facts and Algorithms • Estimation • Patterns, Relations, and Functions • Practices, Processes, and Proficiencies	
Essential Questions	What are the standard procedures for estimating and finding quotients involving decimals?	
Concepts	Extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations. • Understand the place value system • Perform operations with multi-digit whole numbers and with decimals hundredths	
Competencies	• Division of decimals	
Standards/Benchmarks	• CC.2.1.5.B.1 • CC.2.1.5.B.2	
Activities & Assessments	• Fact Fluency • Daily Common Core • Quick Checks • Leveled Homework • Quizzes • Topic Tests	

Teacher: Kitt, Miller, Davis,Clancy Course: Math Grade Level(s): 5	
	Month: January Topic(s): Topic 8 Topic 9
Content/Big Ideas	NUMBER AND OPERATIONS IN BASE TEN (NBT) OPERATIONS AND ALGEBRAIC THINKING (OA) • Number Uses, Classification, and Representation • Numbers and the Number Line • Variable • Solving equations and Inequalities • Properties • Basic Facts and Algorithms • Estimation • Patterns, Relations, and Functions • Practices, Processes, and Proficiencies • Operation meanings and Relationships
Essential Questions	How are the values of an algebraic expression and a numerical expression found? What does it mean to add and subtract fractions with unlike denominators? What is a standard procedure for adding and subtracting fractions with unlike denominators?
Concepts	Developing fluency with addition and subtraction of fractions and developing understanding of the multiplication and of division of fractions in limited cases. • Write and interpret numerical expressions • Analyze patterns and relationships • Use equivalent fractions as a strategy to add and subtract fractions
Competencies	• Order of operations • Writing, and evaluating expressions • Patterns • Addition and subtraction of fractions with unlike denominators
Standards/Benchmarks	• CC.2.2.5.A.1 • CC.2.2.5.A.4 • CC.2.1.5.C.1
Activities & Assessments	• Fact Fluency • Daily Common Core • Quick Checks • Leveled Homework • Quizzes • Topic Tests

Teacher: Davis, Kitt, Miller, Theys, Clancy Course: Mathematics Grade Level(s):5	
	Month: FEBRUARY Topic(s): 10 - Adding and Subtracting Mixed Numbers 11 - Multiplying and Dividing Mixed Numbers
Content/Big Ideas	Number and Operations – Fractions • Number Uses, Classification, and Representation • Numbers and the Number Line • Operation Meanings and Relationships • Basic Facts and Algorithms • Estimation • Practices, Processes, and Proficiencies
Essential Questions	• What is a standard procedure for adding and subtracting mixed numbers? • What are standard procedures for estimating and finding products and quotients of fractions and mixed numbers?
Concepts	Developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication and division of fractions. • Use equivalent fractions as a strategy to add and subtract fractions. • Apply and extend previous understandings of multiplication and division to multiply and divide fractions.
Competencies	• Addition and subtraction of mixed numbers • Multiplying fractions and mixed numbers
Standards/Benchmarks	• CC.2.1.5.C.1 • CC.2.1.5.C.2
Activities & Assessments	• Fact Fluency • Daily Common Core Reviews • Quick Checks • Leveled Homework • Topic Tests

Teacher: Deavis, Kitt, Miller, Clancy, Theys Course: Mathematics Grade Level(s): 5

	Month: March Topic(s): Topic 12:Volume of Solids; Topic 13: Units of Measure
Content/Big Ideas	MEASUREMENT AND DATA *Geometric Figures *Measurement
Essential Questions	What does the volume of a rectangular prism mean and how can it be found? What are customary/metric measurement units and how are they related?
Concepts	Developing understanding of Volume *Geometric Measurement: understand concepts of volume and relate volume to multiplication and to addition. *Convert like measurement units within a given measurement system.
Competencies	*Use volume concepts *Convert customary units of length, capacity, and weight; convert metric units of length, capacity, and mass.
Standards/Benchmarks	• CC.2.4.5.A.1 • CC.2.4.5.A.6
Activities & Assessments	*Fact Fluency *Daily Common Core Reviews *Quick Check *Leveled Homework *Topic Tests *Teacher Created Assessment

Teacher: Davis, Kitt, Miller, Clancy, Theys Course: Mathematics Grade Level(s): 5	
	Month: APRIL Topic(s): * Topic 14: Data * Topic 15: Classifying Plane Figures
Content/Big Ideas	Measurement and Data; Geometry • Measurement • Data Collection and Representation • Practices, Processes, and Proficiencies
Essential Questions	How can line plots be used to represent data and answer questions? How can angles, polygons, triangles and quadrilaterals be described, classified and named?
Concepts	Understanding measurement, data and geometry • Represent and interpret data • Classify two-dimensional figures into categories based on their properties.
Competencies	• Represent and interpret data • Analyze geometric shapes
Standards/Benchmarks	• CC.2.4.5.A.4 • CC.2.3.5.A.1 • CC.2.3.5.A.2
Activities & Assessments	• Fact Fluency • Daily Common Core Reviews • Quick Checks • Leveled Homework • Topic Tests • Teacher Created Assessment

Teacher: Kitt, Miller, Davis, Clancy, Theys Course: Mathematics Grade Level(s):5	
	Month: May Topic(s): Topic 16-Coordinate Geometry
Content/Big Ideas	GEOMETRY *Patterns, Relations, Functions *Geometric Figures *Practices, Processes, Proficiencies
Essential Questions	How are points graphed and how can we show the relationship between sequences on a graph?
Concepts	Geometry *Graph the points of the coordinate plane to solve real-world mathematical problems.
Competencies	Use a coordinate grid and graph points to show relationships.
Standards/Benchmarks	• CC.2.3.5.A.1 • CC.2.2.5.A.4
Activities & Assessments	*Fact Fluency *Daily Common Core Reviews *Quick Checks *Leveled Homework *Topic Tests