

Mathematics Grade 6

Unit 1: Fluently Divide Whole Numbers

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
5 Days	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	How are quotients of multi-digit numbers found?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit numbers using the four arithmetic operations with or without a calculator.	Lesson 6-2 Divide Whole Numbers SWBA to find the quotients of two whole numbers and solve division equations. enVision Math 2.0 Grade 6 Pgs. 279-284	Quotients Whole Numbers Dividend Divisor	CC.2.1.6.E.2 M06.A-N.2.1.1
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	How are quotients of multi-digit numbers found?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit numbers using the four arithmetic operations with or without a calculator.	Lesson 6-3 Continue to Divide Whole Numbers SWBA to fluently divide greater whole numbers, envVision Math 2.0 Grade 6 Pgs. 285-290	Quotients Whole Numbers Dividend Divisor	CC.2.1.6.E.2 M06.A-N.2.1.1

Review Unit 1 Fluently Divide Whole Numbers

Test Common Assessment Unit 1 Fluently Divide Whole Numbers

Unit 2 Fluently Add, Subtract, Multiply and Divide Decimals

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
9-10 Days	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	How can you fluently add, subtract, multiply and divide decimals?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit decimal numbers using the four arithmetic operations with or without a calculator, using the standard algorithm for each operation.	Lesson 7-1 Estimate Sums and Differences SWBA to estimate the sums and differences of decimals, enVision Math 2.0 Grade 6 Pgs. 319-324	Estimate Sum Difference	CC.2.1.6.E.2 M06.A-N.2.1.1
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	How can you fluently add, subtract, multiply and divide decimals?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit decimal numbers using the four arithmetic operations with or without a calculator, using the standard algorithm for each operation.	Lesson 7-2 Add and Subtract Decimals SWBA to find the sum and difference of problems involving decimals. enVision Math 2.0 Grade 6 Pgs. 325-330	Sum Difference	CC.2.1.6.E.2 M06.A-N.2.1.1
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in	How can you fluently add, subtract, multiply and divide decimals?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit decimal numbers using the four arithmetic operations with or without a calculator, using the standard algorithm for each operation.	Lesson 7-3 Estimate Products SWBA to estimate the products of decimals, enVision Math 2.0 Grade 6 Pgs. 331-336	Estimate Product	CC.2.1.6.E.2 M06.A-N.2.1.1

	many equivalent forms.						
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	How can you fluently add, subtract, multiply and divide decimals?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit decimal numbers using the four arithmetic operations with or without a calculator, using the standard algorithm for each operation.	Lesson 7-4 Multiply Decimals SWBA to multiply decimals. enVision Math 2.0 Grade 6 Pgs. 337-342	Product	CC.2.1.6.E.2 M06.A-N.2.1.1
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	How can you fluently add, subtract, multiply and divide decimals?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit decimal numbers using the four arithmetic operations with or without a calculator, using the standard algorithm for each operation.	Lesson 7-5 Divide Decimals by a Whole Number SWBA to divide decimals by a Whole number. enVision Math 2.0 Grade 6 Pgs. 343-348	Quotient	CC.2.1.6.E.2 M06.A-N.2.1.1
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	How can you fluently add, subtract, multiply and divide decimals?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit decimal numbers using the four arithmetic operations with or without a calculator, using the standard algorithm for each operation.	Lesson 7-6 Divide Decimals SWBA to use different strategies to divide decimals. enVision Math 2.0 Grade 6 Pgs. 349-354	Quotient	CC.2.1.6.E.2 M06.A-N.2.1.1
	Numbers, measures, expressions, equations, and inequalities can	How can you fluently add, subtract, multiply and divide decimals?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit decimal numbers using the four arithmetic	Lesson 7-7 Continue to Divide Decimals	Quotient	CC.2.1.6.E.2 M06.A-N.2.1.1

	represent mathematical situations and structures in many equivalent forms.			operations with or without a calculator, using the standard algorithm for each operation.	SWBA to divide decimals to find solution to real-world problems.. enVision Math 2.0 Grade 6 Pgs. 355-360		
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Review Unit 2 Fluently Add, Subtract, Multiply and Divide Decimal

Test Common Assessment Unit 2 Fluently Add, Subtract, Multiply and Divide Decimal

Unit 3 Common Factors and Multiples

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
6 Days	Compute fluently with multi-digit numbers and find common factors and multiples.	How will I apply the concept of prime and composite numbers to find common factors when simplifying fractions?	Develop and/or apply number theory concepts to find common factors and multiples.	Student should be able to use factors, multiples, prime factorization, and prime numbers to solve problems.	Lesson 8-1 Prime and Composite Numbers SWBA to identify prime and composite number and write the Prime factorization of a number. enVision Math 2.0 Grade 6 Pgs. 391-396	Prime Number Composite Number Prime factorization.	CC.2.1.6.E.3 M06.A-N.2.2.1
	Compute fluently with multi-digit numbers and find common factors and multiples.	How will I apply the concept of prime and composite numbers to find common factors	Develop and/or apply number theory concepts to find common factors and multiples.	Student should be able to use factors, multiples, prime factorization, and prime numbers to solve problems.	Lesson 8-2 Find the Greatest Common Factor SWBA to find the greatest common factor of two numbers	Greatest Common Factor (GCF)	CC.2.1.6.E.3 M06.A-N.2.2.1

		when simplifying fractions?			enVision Math 2.0 Grade 6 Pgs. 397-402		
	Compute fluently with multi-digit numbers and find common factors and multiples.	How will I apply the concept of prime and composite numbers to find common factors when simplifying fractions?	Develop and/or apply number theory concepts to find common factors and multiples.	Student should be able to use factors, multiples, prime factorization, and prime numbers to solve problems.	Lesson 8-3 Least Common Multiple SWBA to find the least common multiple of two numbers enVision Math 2.0 Grade 6 Pgs. 403-408	Common Multiples Least Common Multiple (LCM)	CC.2.1.6.E.3 M06.A-N.2.2.1
	Compute fluently with multi-digit numbers and find common factors and multiples.	How will I apply the concept of prime and composite numbers to find common factors when simplifying fractions?	Develop and/or apply number theory concepts to find common factors and multiples.	Student should be able to use factors, multiples, prime factorization, and prime numbers to solve problems.	Lesson 8-4 Critique Reasoning SWBA to critique the reasoning of others using what they know about factors & multiples enVision Math 2.0 Grade 6 Pgs. 409-414	Counterexample	CC.2.1.6.E.3 M06.A-N.2.2.1
Review Unit 3 Common Factors & Multiples							
Test Common Assessment Unit 3 Common Factors & Multiples							
Unit 4: Understand Numerical and Algebraic Expressions							
Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
15 Days	There are some mathematical relationships	What are expressions and how can they be	Write & evaluate numerical expressions involving	Student should be able to write mathematical	Lesson 1-1 Exponents	Exponent Base	CC.2.2.6.B.1 M06.B-E.1.1.1

	that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	written and evaluated?	whole-number exponents	expressions and equations that correspond to given situations, evaluate expressions, and use expressions and formulas to solve problems.	SWBA to write and evaluate numbers using exponents. enVision Math 2.0 Grade 6 Pgs. 7-12	Power	
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	What are expressions and how can they be written and evaluated?	Understand meanings of operations, use operations & understand how they relate to each other	Student should be able to evaluate expressions, and use expressions and formulas to solve problems.	Lesson 1-2 Evaluate Numerical Expressions SWBA to use the order of operations to evaluate numerical expressions with decimals and fractions. enVision Math 2.0 Grade 6 Pgs. 13-18	Order of Operations	CC.2.2.6.B.1 M06.B-E.1.1
	There are some mathematical relationships that are always true and these relationships are used as the	What are expressions and how can they be written and evaluated?	Represent and/or analyze mathematical situations & structures using algebraic symbols,	Student should be able to write expressions and equations that correspond to given situations, evaluate expressions, and use	Lesson 1-3 Use Variables to Write Expressions SWBA to use variables to write algebraic expressions.	Expression Variables	CC.2.2.6.B.1 M06.B-E.1.1.2 6.EE.A.2a 6.EE.A.B.6

	rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.		words, tables & graphs	expressions and formulas to solve problems.	enVision Math 2.0 Grade 6 Pgs. 19-24		
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	What are expressions and how can they be written and evaluated?	Represent and/or analyze mathematical situations & structures using algebraic symbols, words, tables & graphs	Student should be able to write expressions and equations that correspond to given situations, evaluate expressions, and use expressions and formulas to solve problems.	Lesson 1-4 Identify Parts of an Expressions. SWBA to use specific math words to describe parts of mathematical expressions. enVision Math 2.0 Grade 6 Pgs. 25-30	Term	CC.2.2.6.B.1 M06.B-E.1.1 <i>6.EE.A.2b</i>
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent	What are expressions and how can they be written and evaluated?	Understand meanings of operations, use operations & understand how they relate to each other. Evaluate expressions at specific values of their variables	Student should be able to write mathematical expressions and equations that correspond to given situations, evaluate expressions, and use expressions and formulas to solve problems.	Lesson 1-5 Evaluate Algebraic Expressions. SWBA to use substitution to evaluate algebraic expressions. enVision Math 2.0 Grade 6 Pgs. 31-36	Evaluate Substitution	CC.2.2.6.B.1 M06.B-E.1.1.4 6.EE.A.2c 6.EE.B.6

	forms of expressions and solving equations and inequalities.						
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	How are quotients of multi-digit numbers found?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with multi-digit numbers using the four arithmetic operations with or without a calculator.	Lesson 6-4 Evaluate expressions SWBA to substitute given numbers in a formula to find a missing value. enVision Math 2.0 Grade 6 Pgs. 291-296	Quotients Substitute Evaluate Algebraic expression	CC.2.2.6.B.1 M06.B-E.1.1.4
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	What are expressions and how can they be written and evaluated?	Understand meanings of operations, use operations & understand how they relate to each other	Student should be able to write mathematical expressions and equations that correspond to given situations, evaluate expressions, and use expressions and formulas to solve problems.	Lesson 7-8 Evaluate Expressions with Decimals SWBA to evaluate an algebraic expression with decimals enVision Math 2.0 Grade 6 Pgs. 361-366	Evaluate	CC.2.2.6.B.1 M06.B-E.1.1.4 6.EE.A.3 6.EE.A.4
	There are some mathematical relationships that are always true and these relationships are used as the rules of	What are expressions and how can they be written and evaluated?	Understand meanings of operations, use operations & understand how they relate to each other	Student should be able to apply the properties of operations to generate equivalent expressions	Lesson 1- 6 Write Equivalent Expressions SWBA to use the properties of operations to write equivalent expressions.	Equivalent Expressions Commutative Property Associative Property	CC.2.2.6.B.1 M06.B-E.1.1.5 6.EE.A.3 6.EE.A.4

	arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.				enVision Math 2.0 Grade 6 Pgs. 37-42	Distributive Property	
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	What are expressions and how can they be written and evaluated?	Understand meanings of operations, use operations & understand how they relate to each other	Student should be able to write mathematical expressions and equations that correspond to given situations, evaluate expressions, and use expressions and formulas to solve problems.	Lesson 1-7 Simplify Algebraic Expressions. SWBA to combine like terms in algebraic expressions. enVision Math 2.0 Grade 6 Pgs. 43-48	Simplify Terms Like Terms	CC.2.2.6.B.1 M06.B-E.1.1.4
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of	What are expressions and how can they be written and evaluated?	Understand meanings of operations, use operations & understand how they relate to each other	Student should be able to apply the properties of operations to generate equivalent expressions	Lesson 1- 8 Equivalent Expressions SWBA to identify equivalent algebraic expressions. enVision Math 2.0 Grade 6 Pgs. 49-54	Commutative Property Associative Property Distributive Property	CC.2.2.6.B.1 M06.B-E.1.1.5 6.EE.A.3 6.EE.A.4

	expressions and solving equations and inequalities.						
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	How do you translate given situations into math expressions and equations and use these to solve problems?	Represent and/or analyze mathematical situations & structures using algebraic symbols, words, tables, graphs & common formulas	Student should be able to write mathematical expressions and equations that correspond to given situations, evaluate expressions, and use expressions and formulas to solve problems.	Lesson 1- 9 Formulas SWBA to use formulas to solve problems enVision Math 2.0 Grade 6 Pgs. 55-60	Formulas	CC.2.2.6.B.3 M06.B-E.3.1.1 6.EE.A.2.C
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	How do you translate given situations into math expressions and equations and use these to solve problems?	Represent and/or analyze mathematical situations & structures using algebraic symbols, words, tables, graphs & common formulas	Student should be able to write mathematical expressions and equations that correspond to given situations, evaluate expressions, and use expressions and formulas to solve problems.	Lesson 1- 10 Look For and Use Structure SWBA to look for and use structure to analyze algebraic expressions. enVision Math 2.0 Grade 6 Pgs. 65-66		CC.2.2.6.B.3 M06.B-E.3.1.1 6.EE.A.2.C

Review Unit 4 Numerical and Algebraic Expressions

Test Common Assessment Unit 4 Numerical and Algebraic Expressions

Unit 5 Solving Equations and Inequalities

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
12 Days	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	What procedures can be used to solve equations and inequalities?	Understand solving an equation as a process of answering a question: which value(s) make the equations true?	Student should be able to solve equations by using the inverse operation & applying knowledge of mathematical properties	Lesson 2- 1 Understand Equations and Solutions SWBA to find a value for a variable that makes an equation true. enVision Math 2.0 Grade 6 Pgs. 83-88		6.EE.B.5 CC.2.2.6.B.2 M06.B-E.2.1
	There are some mathematical relationships	What procedures can be used to solve equations	Understand solving an equation as a process of answering a	Student should be able to solve equations by using the inverse	Lesson 2-2 Properties of Equalities	Addition Property of Equality	CC.2.2.6.B.2 M06.B-E.2.1

	that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	and inequalities?	question: which value(s) make the equations true?	operation & applying knowledge of mathematical properties	SWBA to use the properties of equalities to write equivalent equations, enVision Math 2.0 Grade 6 Pgs. 89-94	Subtraction Property of Equality Multiplication Property of Equality Division Property of Equality	
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	What procedures can be used to solve equations and inequalities?	Understand solving an equation as a process of answering a question: which value(s) make the equations true?	Student should be able to solve equations by using the inverse operation & applying knowledge of mathematical properties	Lesson 2-3 Solving Addition and Subtraction Equations. SWBA to solve an addition and subtraction equation. enVision Math 2.0 Grade 6 Pgs. 93-100	Equation	CC.2.2.6.B.2 M06.B-E.2.1 6.EE.B.6 6.EE.B.7

	<p>There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.</p>	<p>What procedures can be used to solve equations and inequalities?</p>	<p>Understand solving an equation as a process of answering a question: which value(s) make the equations true?</p>	<p>Student should be able to solve equations by using the inverse operation & applying knowledge of mathematical properties</p>	<p>Lesson 2-4 Solving Multiplication and Division Equations</p> <p>SWBA to solve a multiplication and division equations.</p> <p>enVision Math 2.0 Grade 6 Pgs. 101-106</p>	<p>Equation</p>	<p>CC.2.2.6.B.2 M06.B-E.2.1</p> <p>6.EE.B.6 6.EE.B.7</p>
	<p>Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.</p>	<p>How are quotients of multi-digit numbers found?</p>	<p>Compute accurately & fluently and make reasonable estimates.</p> <p>Understand solving an equation as a process of answering a question: which value(s) make the equations true?</p>	<p>Student should be able to compute with multi-digit numbers using the four arithmetic operations with or without a calculator.</p> <p>Student should be able to solve division equations by using the inverse operation & applying knowledge of mathematical properties</p>	<p>Lesson 6-5 Solve Division Equations</p> <p>SWBA to write and solve equations that involve division.</p> <p>enVision Math 2.0 Grade 6 Pgs. 297-302</p>	<p>Variable</p>	<p>CC.2.2.6.B.2 M06.B-E.2.1</p> <p>6.EE.A.2c</p> <p>6.NS.B.2</p>

	<p>There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.</p>	<p>What procedures can be used to solve equations and inequalities?</p>	<p>Understand solving an equation as a process of answering a question: which value(s) make the equations true?</p>	<p>Student should be able to solve equations by using the inverse operation & applying knowledge of mathematical properties</p>	<p>Lesson 7-9 Solve Equations with Decimals</p> <p>SWBA to solve algebraic equations that include decimals.</p> <p>enVision Math 2.0 Grade 6 Pgs. 367-372</p>	<p>Equation</p>	<p>CC.2.2.6.B.2 M06.B-E.2.1</p>
	<p>There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving</p>	<p>What procedures can be used to solve equations and inequalities?</p>	<p>Understand solving an equation as a process of answering a question: which value(s) make the equations true?</p>	<p>Student should be able to solve equations by using the inverse operation & applying knowledge of mathematical properties</p>	<p>Lesson 2-5 Solve Equations with Fractions</p> <p>SWBA to solve equations that include fractions.</p> <p>enVision Math 2.0 Grade 6 Pgs. 107-112</p>	<p>Equation</p>	<p>CC.2.2.6.B.2 M06.B-E.2.1.3</p>

	equations and inequalities.						
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	What procedures can be used to solve equations and inequalities?	Understand solving an inequality as a process of answering a question: which value(s) make the inequality true?	Student should be able to: -write an inequality to represent a real-world or mathematical problem -recognize that inequalities have infinitely many solutions -represent solutions of inequalities on a number line	Lesson 2-6 Write Inequalities SWBA to write an inequality to describe a real-world situation. enVision Math 2.0 Grade 6 Pgs. 113-118	Inequality	CC.2.2.6.B.2 M06.B-E.2.1.4 6.EE.B.5 6.EE.B.8
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of	What procedures can be used to solve equations and inequalities?	Understand solving an inequality as a process of answering a question: which value(s) make the inequality true?	Student should be able to: -write an inequality to represent a real-world or mathematical problem -recognize that inequalities have infinitely many solutions -represent solutions of inequalities on a number line	Lesson 2-7 Solve Inequalities SWBA to write and represent solutions on inequalities. enVision Math 2.0 Grade 6 Pgs. 119-122	Inequality	CC.2.2.6.B.2 M06.B-E.2.1.4 6.EE.B.5 6.EE.B.8

	expressions and solving equations and inequalities.						
	There are some mathematical relationships that are always true and these relationships are used as the rules of arithmetic and algebra and are useful for writing equivalent forms of expressions and solving equations and inequalities.	What procedures can be used to solve equations and inequalities?	Understand solving an equation or inequality as a process of answering a question: which value(s) make the equation or inequality true?	Student should be able to: -write an inequality to represent a real-world or mathematical problem -recognize that equations and inequalities have solutions -represent solutions of equations and inequalities on a number line	Lesson 2-8 Make Sense and Persevere SWBA to make sense of problems and keep working if one gets stuck. enVision Math 2.0 Grade 6 Pgs. 123-130	Equation Inequality	CC.2.2.6.B.2 M06.B-E.2.1.4 6.EE.B.5 6.EE.B.7
Review Unit 5 Solving Equations and Inequalities							
Test Common Assessment Unit 5 Solving Equations and Inequalities							
Unit 6 Rational Numbers							
Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content

7 Days	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are integers and rational numbers? How can you compare and order rational numbers?	Apply and extend previous understandings of numbers to the system of rational numbers.	Student should be able to use the number line model to demonstrate integers and their applications.	Lesson 3-1 Understand Integers SWBA to use positive and negative integers enVision Math 2.0 Grade 6 Pgs. 143-148	Integer Opposites Positive Integers Negative Integers Absolute Value	CC.2.1.6.E.4 M06.A-N.3.1.1 M06.A-N.3.1.2 M06.A-N.3.1.3 M06.A-N.3.2.1 M06.A-N.3.2.2 M06.A-N.3.2.3
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are integers and rational numbers? How can you compare and order rational numbers?	Apply and extend previous understandings of numbers to the system of rational numbers.	Student should be able to use the number line model to demonstrate rational numbers and their applications.	Lesson 3-2 Rational Numbers on a Number Line SWBA to find and position rational numbers on a number line. enVision Math 2.0 Grade 6 Pgs. 149-154	Natural numbers Whole numbers Integers Rational numbers	CC.2.1.6.E.4 M06.A-N.3.1.1 M06.A-N.3.1.2 M06.A-N.3.1.3 M06.A-N.3.2.1 M06.A-N.3.2.2 M06.A-N.3.2.3
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are integers and rational numbers? How can you compare and order rational numbers?	Apply and extend previous understandings of numbers to the system of rational numbers.	Student should be able to distinguish between and order rational and irrational numbers.	Lesson 3-3 Compare and Order Rational Numbers SWBA to compare and order rational numbers. enVision Math 2.0 Grade 6 Pgs. 155-160	Rational Number	CC.2.1.6.E.4 M06.A-N.3.1.1 M06.A-N.3.1.2 M06.A-N.3.1.3 M06.A-N.3.2.1 M06.A-N.3.2.2 M06.A-N.3.2.3
	Numbers, measures,	What are integers and	Apply and extend previous	Student should be able to distinguish	Lesson 3-4 Absolute Values	Absolute Value	6.NS.C.7c 6.NS.C.7d

	expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	rational numbers? How can you compare and order rational numbers?	understandings of numbers to the system of rational numbers.	between and order rational and irrational numbers.	SWBA to interpret absolute values in mathematics and real-world situations. enVision Math 2.0 Grade 6 Pgs. 161-166		
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are integers and rational numbers? How can you compare and order rational numbers?	Apply and extend previous understandings of numbers to the system of rational numbers.	Student should be able to distinguish between and order rational and irrational numbers.	Lesson 3-5 Reasoning SWBA to make sense of quantities and relationships in problem situations. enVision Math 2.0 Grade 6 Pgs. 167-172		6.NS.C.7c 6.NS.C.7d
Review Unit 6 Rational Numbers							
Test Common Assessment Unit 6 Rational Numbers							
Unit 7 Coordinate Geometry							
Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
7 Days	Numbers, measures,	What strategies will I need to	Apply and extend previous	Student should be able to locate and	Lesson 4-1 Integers on the Coordinate Plane	Coordinate Plane	CC.2.1.6.E.4

	expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane?	understandings of numbers to the system of rational numbers.	describe relationships using the coordinate plane.	SWBA to graph points on a coordinate plane. enVision Math 2.0 Grade 6 Pgs. 185-190	x-axis y-axis Axes Quadrants Origin Ordered Pair	M06.A-N.3.1.1 M06.A-N.3.1.2 M06.A-N.3.1.3
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What strategies will I need to solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane?	Apply and extend previous understandings of numbers to the system of rational numbers.	Student should be able to locate and describe relationships using the coordinate plane.	Lesson 4-2 Rational Numbers on the Coordinate Plane SWBA to graph rational numbers on a coordinate plane. enVision Math 2.0 Grade 6 Pgs. 191-196	Coordinate Plane x-axis y-axis Axes Quadrants Origin Ordered Pair	CC.2.1.6.E.4 M06.A-N.3.1.1 M06.A-N.3.1.2 M06.A-N.3.1.3
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What strategies will I need to solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane?	Apply and extend previous understandings of numbers to the system of rational numbers.	Student should be able to locate and describe relationships using the coordinate plane.	Lesson 4-3 Distance on a coordinate Plane. SWBA to use absolute value to find distance on the coordinate plane. enVision Math 2.0 Grade 6 Pgs. 197-202	Distance Absolute Value	CC.2.1.6.E.4 M06.A-N.3.1.1 M06.A-N.3.1.2 M06.A-N.3.1.3

	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What strategies will I need to solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane?	Calculate the perimeter of a polygon on a plane given the coordinates of the vertices.	Student should be able to locate and describe relationships using the coordinate plane.	Lesson 4-4 Polygons on a Coordinate Plane SWBA to find the side lengths on a coordinate plane. enVision Math 2.0 Grade 6 Pgs. 203-208	Polygons Sides	CC.2.1.6.E.4 M06.A-N.3.1.1 M06.A-N.3.1.2 M06.A-N.3.1.3
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What strategies will I need to solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane?	Calculate the perimeter of a polygon on a plane given the coordinates of the vertices.	Student should be able to locate and describe relationships using the coordinate plane.	Lesson 4-5 Constructing Arguments SWBA to construct arguments using what was learned about finding distances on a coordinate plane. enVision Math 2.0 Grade 6 Pgs. 209-214		CC.2.1.6.E.4 M06.A-N.3.1.1 M06.A-N.3.1.2 M06.A-N.3.1.3 6.G.A.3
Review Unit 7 Coordinate Geometry							
Test Common Assessment Unit 7 Coordinate Geometry							
Unit 8 Patterns and Equations							

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
8 Days	Patterns exhibit relationships that can be extended, described, and generalized	How can equations be written? What patterns can be found in tables of values? How are equations that can relate real-world quantities graphed?	Represent and/or analyze mathematical situations & structures using algebraic symbols, words, tables, graphs & common formulas	Student should be able to analyze the relationship between the dependent & independent variables using graphs and tables &/or relate these to an equation	Lesson 5-1 Dependent and Independent variables, SWBA to identify dependent and independent variables. enVision Math 2.0 Grade 6 Pgs. 227-232	Independent variable Dependent Variables	CC.2.2.6.B.3 M06.B-E.3.1.2
	Patterns exhibit relationships that can be extended, described, and generalized	How can equations be written? What patterns can be found in tables of values? How are equations that can relate real-world quantities graphed?	Represent and/or analyze mathematical situations & structures using algebraic symbols, words, tables, graphs & common formulas	Student should be able to analyze the relationship between the dependent & independent variables using graphs and tables &/or relate these to an equation	Lesson 5-2 Patterns and Equations SWBA to use patterns to write equations with variables. enVision Math 2.0 Grade 6 Pgs. 233-238	Table of values	CC.2.2.6.B.3 M06.B-E.3.1.2
	Patterns exhibit relationships that can be extended,	How can equations be written?	Represent and/or analyze mathematical situations & structures using	Student should be able to analyze the relationship between the dependent &	Lesson 5-3 More Patterns and Equations	Table of values	CC.2.2.6.B.3 M06.B-E.3.1.2

	described, and generalized	<p>What patterns can be found in tables of values?</p> <p>How are equations that can relate real-world quantities graphed?</p>	algebraic symbols, words, tables, graphs & common formulas	independent variables using graphs and tables &/or relate these to an equation	<p>SWBA to use tables, graphs and equations to show relationships between independent and dependent variables.</p> <p>enVision Math 2.0 Grade 6 Pgs. 239-244</p>		
	Patterns exhibit relationships that can be extended, described, and generalized	<p>How can equations be written?</p> <p>What patterns can be found in tables of values?</p> <p>How are equations that can relate real-world quantities graphed?</p>	Represent and/or analyze mathematical situations & structures using algebraic symbols, words, tables, graphs & common formulas	Student should be able to analyze the relationship between the dependent & independent variables using graphs and tables &/or relate these to an equation	<p>Lesson 5-4 Graph Equations</p> <p>SWBA to graph algebraic expressions.</p> <p>enVision Math 2.0 Grade 6 Pgs. 245-250</p>	Linear equation	<p>CC.2.2.6.B.3</p> <p>M06.B-E.3.1.2</p>
	Patterns exhibit relationships that can be extended, described, and generalized	<p>How can equations be written?</p> <p>What patterns can be found in tables of values?</p> <p>How are equations that can relate real-</p>	Represent and/or analyze mathematical situations & structures using algebraic symbols, words, tables, graphs & common formulas	Student should be able to analyze the relationship between the dependent & independent variables using graphs and tables &/or relate these to an equation	<p>Lesson 5-5 Continue to Graph Equations</p> <p>SWBA to graph algebraic equations with more than one operation.</p> <p>enVision Math 2.0 Grade 6 Pgs. 251-256</p>	Linear equation	<p>CC.2.2.6.B.3</p> <p>M06.B-E.3.1.2</p>

		world quantities graphed?					
	Patterns exhibit relationships that can be extended, described, and generalized	How can equations be written? What patterns can be found in tables of values? How are equations that can relate real-world quantities graphed?	Represent and/or analyze mathematical situations & structures using algebraic symbols, words, tables, graphs & common formulas	Student should be able to analyze the relationship between the dependent & independent variables using graphs and tables &/or relate these to an equation	Lesson 5-6 Model with Math SWBA to use math models to represent and solve problems.. enVision Math 2.0 Grade 6 Pgs. 257-262	Math Models	CC.2.2.6.B.3 M06.B-E.3.1.2 6.EE,B.5
Review Unit 8 Patterns and Equations							
Test Common Assessment Unit 8 Patterns and Equations							
Unit 9 Ratio Concepts and Reasoning							
Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
8 Days	Numbers, measures, expressions, equations, and inequalities can represent	What strategies will I need to solve real-world and mathematical problems using	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations	Lesson 9-1 Understanding Ratios SWBA to use a ratio to describe the	Ratio Terms	CC.2.1.6.D.1 M06.A-R.1.1.1

	mathematical situations and structures in many equivalent forms.	ratios and proportions?		involving distance, rate, time.	relationship between two quantities enVision Math 2.0 Grade 6 Pgs. 427-432		
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What strategies will I need to solve real-world and mathematical problems using ratios and proportions?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	Lesson 9-2 Model Ratios SWBA to draw a diagram to help solve ratio problems enVision Math 2.0 Grade 6 Pgs. 433-438	Ratio	CC.2.1.6.D.1 M06.A-R.1.1.3
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What strategies will I need to solve real-world and mathematical problems using ratios and proportions?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	Lesson 9-3 Equivalent Ratios SWBA to find equal ratios enVision Math 2.0 Grade 6 Pgs. 439-444	Ratio	CC.2.1.6.D.1 M06.A-R.1.1.3
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and	What strategies will I need to solve real-world and mathematical problems using ratios and proportions?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	Lesson 9-4 Compare Ratios SWBA to compare ratios to solve problems enVision Math 2.0	Ratio	CC.2.1.6.D.1 M06.A-R.1.1.3

	structures in many equivalent forms.				Grade 6 Pgs. 445-446		
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What strategies will I need to solve real-world and mathematical problems using ratios and proportions?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	Lesson 9-5 Ratio and Graphs SWBA to solve problems by using tables & graphs to show equal ratios enVision Math 2.0 Grade 6 Pgs. 451-456	Ratio	CC.2.1.6.D.1 M06.A-R.1.1.3
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What strategies will I need to solve real-world and mathematical problems using ratios and proportions?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	Lesson 9-6 Make Sense and Persevere enVision Math 2.0 Grade 6 Pgs. 457-462	Ratio	CC.2.1.6.D.1 M06.A-R.1.1.2 M06.A-R.1.1.3
Review Unit 9 Ratio Concepts and Reasoning							
Test Common Assessment Unit 9 Ratio Concepts and Reasoning							

Unit 10 Ratio Concepts: Rates

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
7 Days	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	<p>What are ratios and rates and how are they used in solving problems?</p> <p>How can customary and metric measurements be converted to other units?</p>	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	<p>Lesson 10-1 Understand Rates</p> <p>SWBA to solve problems involving rates</p> <p>enVision Math 2.0 Grade 6 Pgs. 475-480</p>	Rate	<p>CC.2.1.6.D.1</p> <p>M06.A-R.1.1.2</p>
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	<p>What are ratios and rates and how are they used in solving problems?</p> <p>How can customary and metric measurements be converted to other units?</p>	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	<p>Lesson 10-2 Understand Unit Rates</p> <p>SWBA to solve problems involving unit rates</p> <p>enVision Math 2.0 Grade 6 Pgs. 481-486</p>	<p>Rate</p> <p>Unit Rate</p>	<p>CC.2.1.6.D.1</p> <p>M06.A-R.1.1.2</p> <p>M06.A-R.1.1.4</p>
	Numbers, measures, expressions, equations, and inequalities can represent mathematical	<p>What are ratios and rates and how are they used in solving problems?</p>	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	<p>Lesson 10-3 Compare Rates</p> <p>SWBA to compare rates to solve problems</p>	<p>Rate</p> <p>Unit Rate</p>	<p>CC.2.1.6.D.1</p> <p>M06.A-R.1.1.2</p> <p>M06.A-R.1.1.4</p>

	situations and structures in many equivalent forms.	How can customary and metric measurements be converted to other units?			enVision Math 2.0 Grade 6 Pgs. 487-492		
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are ratios and rates and how are they used in solving problems? How can customary and metric measurements be converted to other units?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	Lesson 10-4 Apply unit Rates: Unit Price SWBA to find, compare and use unit prices enVision Math 2.0 Grade 6 Pgs. 493-498	Rate Unit Rate	CC.2.1.6.D.1 M06.A-R.1.1.2 M06.A-R.1.1.4
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are ratios and rates and how are they used in solving problems? How can customary and metric measurements be converted to other units?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations involving distance, rate, time.	Lesson 10-5 Apply Unit Rates: Constant Speed SWBA to use unit rates to solve constant speed problems enVision Math 2.0 Grade 6 Pgs. 499-504	Rate Unit Rate Constant Speed	CC.2.1.6.D.1 M06.A-R.1.1.2 M06.A-R.1.1.4

Review Unit 10 Ratio Concepts: Rate

Test Common Assessment Unit 10 Ratio Concepts: Rate

Unit 11: Ratio Concepts: Percent

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
9 Days	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	<p>What is the meaning of percent?</p> <p>How can percent be estimated and found?</p>	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations	<p>Lesson 11-1 Understand Percent</p> <p>SWBA to represent & find the percent of a whole</p> <p>enVision Math 2.0 Grade 6 Pgs. 541-546</p>	Percent	<p>CC.2.1.6.D.1</p> <p>M06.A-R.1.1.5</p>
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	<p>What is the meaning of percent?</p> <p>How can percent be estimated and found?</p>	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations	<p>Lesson 11-2 Fractions, Decimals & Percents</p> <p>SWBA to write equivalent values as fractions, decimals or percents</p> <p>enVision Math 2.0 Grade 6 Pgs. 547-552</p>	Percent	<p>CC.2.1.6.D.1</p> <p>M06.A-R.1.1.5</p>
	Numbers, measures, expressions, equations, and inequalities can represent	<p>What is the meaning of percent?</p> <p>How can percent be</p>	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations	<p>Lesson 11-3 Percents greater than 100 or less than 1</p> <p>SWBA to write percents that are</p>	Percent	<p>CC.2.1.6.D.1</p> <p>M06.A-R.1.1.5</p>

	mathematical situations and structures in many equivalent forms.	estimated and found?			greater than 100 or less than 1 enVision Math 2.0 Grade 6 Pgs. 553-558		
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What is the meaning of percent? How can percent be estimated and found?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations	Lesson 11-4 Estimate percent SWBA to estimate the percent of a number using equivalent fractions & compatible numbers enVision Math 2.0 Grade 6 Pgs. 559-564		CC.2.1.6.D.1 M06.A-R.1.1.5
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What is the meaning of percent? How can percent be estimated and found?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations	Lesson 11-5 Find the percent of a number SWBA solve problems involving percents enVision Math 2.0 Grade 6 Pgs. 565-570		CC.2.1.6.D.1 M06.A-R.1.1.5
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and	What is the meaning of percent? How can percent be estimated and found?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations	Lesson 11-6 Find the whole SWBA find the whole amount when given a part & the percent enVision Math 2.0		CC.2.1.6.D.1 M06.A-R.1.1.5

	structures in many equivalent forms.				Grade 6 Pgs. 571-576		
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What is the meaning of percent? How can percent be estimated and found?	Understand ratio concepts and use ratio reasoning to solve problems.	Student should be able to apply ratio and proportion to mathematical problem situations	Lesson 11-7 Repeated Reasoning SWBA use what they know about percents to solve real-world problems enVision Math 2.0 Grade 6 Pgs.577-582		CC.2.1.6.D.1 M06.A-R.1.1.5
Review Unit 11 Ratio Concepts: Percent							
Test Common Assessment Unit 11 Ratio Concepts: Percent							
Unit 12: Divide Fractions by Fractions							
Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
9 Days	Numbers, measures, expressions, equations, and inequalities can represent	What are standard procedures for estimating & finding quotients of	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with fractional numbers using the four arithmetic operations, using	Lesson 12-1 Understand Division of Fractions		CC.2.1.6.E.1 M06.A-N.1.1.1

	mathematical situations and structures in many equivalent forms.	fractions & mixed numbers?		the standard algorithm for each operation.	SWBA to use models to divide with fractions enVision Math 2.0 Grade 6 Pgs. 593-598		
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are standard procedures for estimating & finding quotients of fractions & mixed numbers?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with fractional numbers using the four arithmetic operations, using the standard algorithm for each operation.	Lesson 12-2 Divide Whole Numbers by Fractions SWBA to divide whole numbers by fractions enVision Math 2.0 Grade 6 Pgs. 599-604	Reciprocal	CC.2.1.6.E.1 M06.A-N.1.1.1
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are standard procedures for estimating & finding quotients of fractions & mixed numbers?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with fractional numbers using the four arithmetic operations, using the standard algorithm for each operation.	Lesson 12-3 Use Models to Divide Fractions SWBA to make & use a model to divide a fraction by a fraction enVision Math 2.0 Grade 6 Pgs. 605-610	Reciprocal	CC.2.1.6.E.1 M06.A-N.1.1.1
	Numbers, measures, expressions, equations, and inequalities can represent	What are standard procedures for estimating & finding quotients of	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with fractional numbers using the four arithmetic operations, using	Lesson 12-4 Divide Fractions SWBA to divide a fraction by another fraction	Reciprocal	CC.2.1.6.E.1 M06.A-N.1.1.1

	mathematical situations and structures in many equivalent forms.	fractions & mixed numbers?		the standard algorithm for each operation.	enVision Math 2.0 Grade 6 Pgs. 611- 616		
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are standard procedures for estimating & finding quotients of fractions & mixed numbers?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with fractional numbers using the four arithmetic operations, using the standard algorithm for each operation.	Lesson 12-5 Estimate Mixed-Number Quotients SWBA to use rounding & compatible numbers to estimate quotients with mixed numbers enVision Math 2.0 Grade 6 Pgs. 617-622		CC.2.1.6.E.1 M06.A-N.1.1.1
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are standard procedures for estimating & finding quotients of fractions & mixed numbers?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with fractional numbers using the four arithmetic operations, using the standard algorithm for each operation.	Lesson 12-6 Divide Mixed Numbers SWBA to find the quotient of mixed numbers enVision Math 2.0 Grade 6 Pgs. 623-628		CC.2.1.6.E.1 M06.A-N.1.1.1
	Numbers, measures, expressions, equations, and inequalities can represent	What are standard procedures for estimating & finding quotients of	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with fractional numbers using the four arithmetic operations, using	Lesson 12-7 Evaluate Expressions with Fractions		CC.2.1.6.E.1 M06.A-N.1.1.1

	mathematical situations and structures in many equivalent forms.	fractions & mixed numbers?		the standard algorithm for each operation.	SWBA to use fractions to evaluate algebraic expressions enVision Math 2.0 Grade 6 Pgs. 629-634		
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are standard procedures for estimating & finding quotients of fractions & mixed numbers?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with fractional numbers using the four arithmetic operations, using the standard algorithm for each operation.	Lesson 12-8 Solve Equations with Fractions SWBA to use fractions to solve equations enVision Math 2.0 Grade 6 Pgs. 635-640		CC.2.1.6.E.1 M06.A-N.1.1.1
	Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms.	What are standard procedures for estimating & finding quotients of fractions & mixed numbers?	Compute accurately & fluently and make reasonable estimates.	Student should be able to compute with fractional numbers using the four arithmetic operations, using the standard algorithm for each operation.	Lesson 12-9 Precision SWBA to be precise when solving problems enVision Math 2.0 Grade 6 Pgs. 641-646		CC.2.1.6.E.1 M06.A-N.1.1.1

Review Unit 12 Divide Fractions by Fractions

Test Common Assessment Unit 12 Divide Fractions by Fractions

Unit 13: Solve Area Problems

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
7 Days	Two- and three-dimensional objects can be described, classified, and analyzed by their attributes, and their location can be described quantitatively.	How can the area of certain shapes be found?	Extend previous understandings of the characteristics of 2-d and 3-d shapes, including the measures of area and volumes, by exploring, solving, and interpreting real world problems.	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area	Lesson 13-1 Areas of Parallelograms & Rhombuses SWBA to use what they know about areas of rectangles to find the areas of parallelograms & rhombuses enVision Math 2.0 Grade 6 Pgs. 659-664	Area Base Length Height Width Perpendicular	CC.2.3.6.A.1 M06.C-G.1.1.1
	Two- and three-dimensional objects can be described, classified, and analyzed by their attributes, and their location can be	How can the area of certain shapes be found?	Extend previous understandings of the characteristics of 2-d and 3-d shapes, including the measures of area and volumes, by exploring, solving, and interpreting real world problems.	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area	Lesson 13-2 Areas of Triangles SWBA to find the areas of triangles enVision Math 2.0 Grade 6 Pgs. 665-670	Decompose Diagonal	CC.2.3.6.A.1 M06.C-G.1.1.1

	described quantitatively.						
	Two- and three-dimensional objects can be described, classified, and analyzed by their attributes, and their location can be described quantitatively.	How can the area of certain shapes be found?	Extend previous understandings of the characteristics of 2-d and 3-d shapes, including the measures of area and volumes, by exploring, solving, and interpreting real world problems.	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area	Lesson 13-3 Areas of Special Quadrilaterals SWBA to find the areas of special quadrilaterals enVision Math 2.0 Grade 6 Pgs. 671-676	Decompose	CC.2.3.6.A.1 M06.C-G.1.1.2
	Two- and three-dimensional objects can be described, classified, and analyzed by their attributes, and their location can be described quantitatively.	How can the area of certain shapes be found?	Extend previous understandings of the characteristics of 2-d and 3-d shapes, including the measures of area and volumes, by exploring, solving, and interpreting real world problems.	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area	Lesson 13-4 Areas of Polygons SWBA to find the areas of polygons enVision Math 2.0 Grade 6 Pgs. 677-682		CC.2.3.6.A.1 M06.C-G.1.1.2
	Two- and three-dimensional objects can be described, classified, and analyzed by their attributes, and their location	How can the area of certain shapes be found?	Extend previous understandings of the characteristics of 2-d and 3-d shapes, including the measures of area and volumes, by exploring, solving, and	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area	Lesson 13-5 Polygons on the Coordinate Plane SWBA to find the areas of polygons on a coordinate plane enVision Math 2.0 Grade 6		CC.2.3.6.A.1 M06.C-G.1.1.1 M06.C-G.1.1.2 M06.C-G.1.1.3

	can be described quantitatively.		interpreting real world problems.		Pgs. 683-688		
	Two- and three-dimensional objects can be described, classified, and analyzed by their attributes, and their location can be described quantitatively.	How can the area of certain shapes be found?	Extend previous understandings of the characteristics of 2-d and 3-d shapes, including the measures of area and volumes, by exploring, solving, and interpreting real world problems.	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area	Lesson 13-6 Look for & Use Structure SWBA to look for & use structure of polygons to solve problems enVision Math 2.0 Grade 6 Pgs. 689-694		CC.2.3.6.A.1 M06.C-G.1.1.1 M06.C-G.1.1.2 M06.C-G.1.1.3
Review Unit 13 Solve Area Problems							
Test Common Assessment Unit 13 Solve Area Problems							
Unit 14: Solve Surface Area and Volume Problems							
Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
7 Days	Some attributes of objects are measurable, e.g., length, mass, capacity, and	What is the meaning of surface area & how can surface area be found? What is the meaning of volume & hoe	Represent 3-D figures using nets made up of rectangles & triangles, & use the nets to find the surface area of these figures	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving	Lesson 14-1 Solid Figures & Nets SWBA to identify nets of solid figures enVision Math 2.0 Grade 6	Polyhedron Faces Edge Vertex Net	CC.2.3.6.A.1 M06.C-G.1.1.5

	can be quantified.	can volume be found?		area, surface area & volume	Pgs. 707-712		
	Some attributes of objects are measurable, e.g., length, mass, capacity, and can be quantified.	What is the meaning of surface area & how can surface area be found? What is the meaning of volume & hoe can volume be found?	Represent 3-D figures using nets made up of rectangles & triangles, & use the nets to find the surface area of these figures	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area, surface area & volume	Lesson 14-2 Surface Area of Prisms SWBA to find the surface area of prisms enVision Math 2.0 Grade 6 Pgs. 713-718		CC.2.3.6.A.1 M06.C-G.1.1.5 M06.C-G.1.1.6
	Some attributes of objects are measurable, e.g., length, mass, capacity, and can be quantified.	What is the meaning of surface area & how can surface area be found? What is the meaning of volume & hoe can volume be found?	Represent 3-D figures using nets made up of rectangles & triangles, & use the nets to find the surface area of these figures	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area, surface area & volume	Lesson 14-3 Surface Area of Pyramids SWBA to draw a net of a pyramid & find its surface area enVision Math 2.0 Grade 6 Pgs. 719-724		CC.2.3.6.A.1 M06.C-G.1.1.5 M06.C-G.1.1.6
	Some attributes of objects are measurable, e.g., length, mass, capacity, and can be quantified.	What is the meaning of surface area & how can surface area be found? What is the meaning of volume & hoe can volume be found?	Apply appropriate formulas to find volumes of right rectangular prisms & triangular prisms (with fractional edge lengths)	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area, surface area & volume	Lesson 14-4 Volume with Fractional Edge Lengths SWBA to find the volume of a rectangular prism with fractional edge lengths enVision Math 2.0 Grade 6	Volume	CC.2.3.6.A.1 M06.C-G.1.1.3

					Pgs. 725-730		
	Some attributes of objects are measurable, e.g., length, mass, capacity, and can be quantified.	What is the meaning of surface area & how can surface area be found? What is the meaning of volume & how can volume be found?	Apply appropriate formulas to find volumes of right rectangular prisms & triangular prisms (with fractional edge lengths)	Student should be able to apply appropriate techniques, tools & formulas to solve real-world & mathematical problems involving area, surface area & volume	Lesson 14-5 Reasoning SWBA to use reasoning to solve problems enVision Math 2.0 Grade 6 Pgs. 731-736	Volume	CC.2.3.6.A.1 M06.C-G.1.1.3
Review Unit 14 Solve Surface Area and Volume Problems							
Test Common Assessment Unit 14 Solve Surface Area and Volume Problems							
Unit 15: Measures of Center and Variability							
Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
6 Days	Demonstrate understanding of statistical variability by summarizing and describing distributions.	How can you describe a data distribution? How can data be described by a single number?	Formulate questions that can be addressed with data and/or collect, organize, display, and analyze data.	Student should be able to explain effects of sampling procedures and missing or incorrect information on reliability.	Lesson 15-1 Statistical Questions SWBA to identify & write statistical questions enVision Math 2.0 Grade 6 Pgs. 749-754	Statistical Question	CC.2.4.6.B.1 M06.D-S.1.1

	Demonstrate understanding of statistical variability by summarizing and describing distributions.	How can you describe a data distribution? How can data be described by a single number?	Formulate questions that can be addressed with data and/or collect, organize, display, and analyze data.	Student should be able to explain effects of sampling procedures and missing or incorrect information on reliability.	Lesson 15-2 Mean SWBA to find the mean of a data set & recognize its value as a measure of center enVision Math 2.0 Grade 6 Pgs. 755-760	Mean	CC.2.4.6.B.1 M06.D-S.1.1.2
	Demonstrate understanding of statistical variability by summarizing and describing distributions.	How can you describe a data distribution? How can data be described by a single number?	Formulate questions that can be addressed with data and/or collect, organize, display, and analyze data.	Student should be able to explain effects of sampling procedures and missing or incorrect information on reliability.	Lesson 15-3 Median, Mode and Range SWBA to identify the median, mode & range of a data set enVision Math 2.0 Grade 6 Pgs. 761-766	Median Mode Range	CC.2.4.6.B.1 M06.D-S.1.1.2
	Demonstrate understanding of statistical variability by summarizing and describing distributions.	How can you describe a data distribution? How can data be described by a single number?	Formulate questions that can be addressed with data and/or collect, organize, display, and analyze data.	Student should be able to explain effects of sampling procedures and missing or incorrect information on reliability.	Lesson 15-4 Make Sense and Persevere SWBA to make sense of problems & keep working if I get stuck enVision Math 2.0 Grade 6 Pgs. 767-772		CC.2.4.6.B.1 M06.D-S.1.1.2

Review Unit 15 Measures of Center and Variability

Test Common Assessment Unit 15 Measures of Center and Variability

Unit 16 Display and Summarize Data

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons/ Suggested Resources	Vocabulary	Standards/ Eligible Content
8 Days	Demonstrate understanding of statistical variability by summarizing and describing distributions.	How can graphs be used to represent data & answer questions?	Analyze change in various contexts. Formulate questions that can be addressed with data and/or collect, organize, display, and analyze data.	Student should be able to display and analyze data in line graphs, histograms, & box plots and determine which best represents the data provided.	Lesson 16-1 Frequency Tables & Histograms SWBA to make & analyze frequency tables & histograms enVision Math 2.0 Grade 6 Pgs. 785-790	Frequency Table Histogram	CC.2.4.6.B.1 M06.D-S.1.1.1 M06.D-S.1.1.3
	Demonstrate understanding of statistical variability by summarizing and describing distributions.	How can graphs be used to represent data & answer questions?	Analyze change in various contexts. Formulate questions that can be addressed with data and/or collect, organize, display, and analyze data.	Student should be able to display and analyze data in line graphs, histograms, & box plots and determine which best represents the data provided.	Lesson 16-2 Box Plots SWBA to make & analyze box plots enVision Math 2.0 Grade 6 Pgs. 791-796	Box Plot Quartiles First Quartile Third Quartile Minimum Maximum	CC.2.4.6.B.1 M06.D-S.1.1.1 M06.D-S.1.1.2 M06.D-S.1.1.3
	Demonstrate understanding of statistical variability by summarizing	How can graphs be used to represent data & answer questions?	Analyze change in various contexts. Formulate questions that can	Student should be able to display and analyze data in line graphs, histograms, & box	Lesson 16-3 Measures of Variability	Absolute Deviation Mean Absolute Deviation (MAD)	CC.2.4.6.B.1 M06.D-S.1.1.3

	and describing distributions.		be addressed with data and/or collect, organize, display, and analyze data.	plots and determine which best represents the data provided.	SWBA to use measures of variability to describe a data set enVision Math 2.0 Grade 6 Pgs. 797-802	Interquartile Range (IQR)	
	Demonstrate understanding of statistical variability by summarizing and describing distributions.	How can graphs be used to represent data & answer questions?	Analyze change in various contexts. Formulate questions that can be addressed with data and/or collect, organize, display, and analyze data.	Student should be able to display and analyze data in line graphs, histograms, & box plots and determine which best represents the data provided.	Lesson 16-4 Appropriate Use of Statistical Measures SWBA to select & use appropriate statistical measures enVision Math 2.0 Grade 6 Pgs. 803-808	Clusters Gaps Outliers	CC.2.4.6.B.1 M06.D-S.1.1.2 M06.D-S.1.1.3 M06.D-S.1.1.14
	Demonstrate understanding of statistical variability by summarizing and describing distributions.	How can graphs be used to represent data & answer questions?	Analyze change in various contexts. Formulate questions that can be addressed with data and/or collect, organize, display, and analyze data.	Student should be able to display and analyze data in line graphs, histograms, & box plots and determine which best represents the data provided.	Lesson 16-5 Summarize Data Distributions SWBA to summarize numerical data sets enVision Math 2.0 Grade 6 Pgs. 809-814	Data Distribution	CC.2.4.6.B.1 M06.D-S.1.1.4
	Demonstrate understanding of statistical variability by summarizing and describing distributions.	How can graphs be used to represent data & answer questions?	Analyze change in various contexts. Formulate questions that can be addressed with data and/or collect, organize,	Student should be able to display and analyze data in line graphs, histograms, & box plots and determine which best represents the data provided.	Lesson 16-6 Critique Reasoning SWBA to critique the reasoning of others using what they know about data distributions		CC.2.4.6.B.1 M06.D-S.1.1.2 M06.D-S.1.1.3 M06.D-S.1.1.4

			display, and analyze data.		enVision Math 2.0 Grade 6 Pgs. 815-820		
Review Unit 16 Display and Summarize Data							
Test Common Assessment Unit 16 Display and Summarize Data							