

Class of 2011

# Senior Math

NCCVT

COURSE GUIDE

July 2010

# APEX Alignment for Senior Math

## Math Foundations II

## Unit 2: Fractions and Operations

Lesson/Activity	Objectives	Suggested Time Requirement	Suggested Due Dates for a Semester Course
<b>Lesson 1: Fraction Fundamentals</b>			
Activity 2.1.1: Study - Fraction Fundamentals	Learn about fractions numerators denominators and equivalent fractions.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.1.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.1.3: Quiz - Fraction Fundamentals	Take a quiz to assess your understanding of the material.	20 min	<b>Online</b> <b>8/23/10</b>
<b>Lesson 2: Introduction to Fraction Arithmetic</b>			
Activity 2.2.1: Study - Introduction to Fraction Arithmetic	Learn about adding and subtracting fractions with like denominators multiplying a fraction by an integer and multiplying fractions.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.2.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.2.3: Quiz - Introduction to Fraction Arithmetic	Take a quiz to check your understanding of what you have learned.	20 min	<b>Online</b> <b>8/24/10</b>
<b>Lesson 3: Equivalent Fractions</b>			
Activity 2.3.1: Study - Equivalent Fractions	Learn about building equivalent fractions in order to add and subtract fractions with unlike denominators. Learn about comparing equivalent fractions.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.3.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )

Activity 2.3.3: Quiz - Equivalent Fractions	Take a quiz to check your understanding of what you have learned.	20 min	Online 8/25/10
<b>Lesson 4: Simplifying Fractions</b>			
Activity 2.4.1: Study - Simplifying Fractions	Learn about finding common factors; dividing numerators and denominators by a common factor in order to simplify a fraction; putting a fraction in lowest terms; prime and composite numbers; and using a factor tree to find prime factorization.	30 min	Packet (Documents: Study Sheet)
Activity 2.4.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	Packet (Documents: Checkup)
Activity 2.4.3: Quiz - Simplifying Fractions	Take a quiz to check your understanding of what you have learned.	20 min	Online 8/26/10
<b>Lesson 5: Improper Fractions and Mixed Numbers</b>			
Activity 2.5.1: Study - Improper Fractions and Mixed Numbers	Learn about proper and improper fractions writing improper fractions as mixed numbers and converting mixed numbers to improper fractions.	30 min	Packet (Documents: Study Sheet)
Activity 2.5.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	Packet (Documents: Checkup)
Activity 2.5.3: Quiz - Improper Fractions and Mixed Numbers	Take a quiz to check your understanding of what you have learned.	20 min	Online 8/27/10
<b>Lesson 6: Dividing Fractions</b>			
Activity 2.6.1: Study - Dividing Fractions	Learn the definition of reciprocals. Learn about finding reciprocals of fractions in order to divide them.	30 min	Packet (Documents: Study Sheet)

Activity 2.6.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.6.3: Quiz - Dividing Fractions	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 8/30/10
<b>Lesson 7: Adding and Subtracting Fractions</b>			
Activity 2.7.1: Study - Adding and Subtracting Fractions	Learn about the smallest common denominator (the least common multiple of denominators) and about using prime factorization to find the least common multiple.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.7.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.7.3: Quiz - Adding and Subtracting Fractions	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 8/31/10
<b>Lesson 8: The Set of Rational Numbers</b>			
Activity 2.8.1: Study - The Set of Rational Numbers	Learn about rational and irrational numbers and pi.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.8.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.8.3: Quiz - Rational Numbers	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 9/1/10
<b>Lesson 9: Problem Solving</b>			
Activity 2.9.1: Study - Problem Solving	Learn strategies for solving a variety of application problems related to topics in this unit.	30 min	
Activity 2.9.2: Practice - Assignment	Submit your work for a set of problem-solving applications.	30 min	<b>Packet</b> (Documents: <a href="#">Practice Assignment</a> )

<b>Lesson 10: Fractions and Operations Wrap-Up</b>			
<b>Activity 2.10.1: Review - Fractions and Operations</b>	<b>Review unit material in preparation for upcoming assessments.</b>	<b>30 min</b>	
<b>Activity 2.10.3: Test (TST) - Fractions and Operations</b>	<b>Take a teacher-scored test to assess what you have learned in this unit.</b>	<b>30 min</b>	<b>Face - to - Face No Later Than 9/6/10</b>

***\*Fractions and Operations Packet need to be complete and turned in to take test!***

Lesson/Activity	Objectives	Suggested Time Requirement	Suggested Due Dates for a Semester Course
<b>Lesson 1: Decimal Fundamentals</b>			
Activity 3.1.1: Study - Decimal Fundamentals	Review decimals and how to add and subtract them.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 3.1.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 3.1.3: Quiz - Decimal Fundamentals	Take a quiz to assess your understanding of the material.	20 min	<b>Online</b> <a href="#">9/7/10</a>
<b>Lesson 2: Multiplying Decimals</b>			
Activity 3.2.1: Study - Multiplying Decimals	Estimate products of decimal numbers by rounding to a whole number. Learn where to place the decimal point after multiplying decimal numbers. Practice finding the product of decimal numbers.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 3.2.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 3.2.3: Quiz - Multiplying Decimals	Take a quiz to check your understanding of what you have learned.	20 min	<b>Online</b> <a href="#">9/8/10</a>
<b>Lesson 3: Multiplying Decimals and Adding Zeros</b>			
Activity 3.3.1: Study - Multiplying Decimals and Adding Zeros	Learn about using zero as a place value holder. Practice this skill using a sample problem.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 3.3.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )

Activity 3.3.3: Quiz - Multiplying Decimals and Adding Zeros	Take a quiz to check your understanding of what you have learned.	20 min	Online 9/9/10
<b>Lesson 4: Repeating Decimals</b>			
Activity 3.4.1: Study - Repeating Decimals	Use division to convert a fraction to a decimal. Identify repeating decimals and repeating patterns. Learn how to write a repeating decimal so that it has the exact value as its corresponding fraction.	30 min	Packet (Documents: Study Sheet)
Activity 3.4.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	Packet (Documents: Checkup)
Activity 3.4.3: Quiz - Repeating Decimals	Take a quiz to check your understanding of what you have learned.	20 min	Online 9/10/10
<b>Lesson 5: Dividing Decimals</b>			
Activity 3.5.1: Study - Dividing Decimals	Review long division placing the decimal point in order to divide adding zeros in order to hold place value using decimals in order to display remainders and dividing decimals by decimals. Practice these skills using sample problems.	30 min	Packet (Documents: Study Sheet)
Activity 3.5.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	Packet (Documents: Checkup)
Activity 3.5.3: Quiz - Dividing Decimals	Take a quiz to check your understanding of what you have learned.	20 min	Online 9/13/10
<b>Lesson 6: Adding and Subtracting Decimals in Word Problems</b>			
Activity 3.6.1: Study - Adding and Subtracting Decimals in Word Problems	Review problem-solving steps and converting word problems into number problems with decimals. Practice adding and subtracting decimals using sample problems.	30 min	Packet (Documents: Study Sheet)

Activity 3.6.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 3.6.3: Quiz - Adding and Subtracting	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 9/14/10
<b>Lesson 7: Word Problems with Decimals - All Operations</b>			
Activity 3.7.1: Study - Word Problems with Decimals - All Operations	Using real-world items in a grocery store practice adding subtracting multiplying and dividing decimals.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 3.7.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 3.7.3: Quiz - Word Problems with Decimals - All Operations	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 9/15/10
<b>Lesson 8: Estimating Sums and Differences with Decimals</b>			
Activity 3.8.1: Study - Estimating Sums and Differences with Decimals	Learn about rounding decimal values to the nearest whole number and using larger place values for larger numbers. Understand how rounding to different place values affects estimates. Practice estimating decimal sums and differences using sample problems.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 3.8.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 3.8.3: Quiz - Estimating Sums and Differences with Decimals	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 9/16/10
<b>Lesson 9: Estimating Products and Quotients of Decimals</b>			
Activity 3.9.1: Study - Estimating Products and	Learn about rounding decimal numbers to the highest place value in	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )

Quotients of Decimals	order to multiply or divide rounding decimal values of less than 1 and estimating products and quotients of less than 1. Practice these skills using sample problems.		
Activity 3.9.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	Packet (Documents: <a href="#">Checkup</a> )
Activity 3.9.3: Quiz - Estimating Products and Quotients of Decimals	Take a quiz to check your understanding of what you have learned.	20 min	Online 9/17/10
<b>Lesson 10: Problem Solving</b>			
Activity 3.10.1: Study - Problem Solving	Learn strategies for solving a variety of application problems related to topics in this unit.	30 min	
Activity 3.10.2: Practice - Assignment	Submit your work for a set of problem-solving applications.	30 min	Packet (Documents: <a href="#">Practice Assignment</a> )
<b>Lesson 11: Decimals and Operations Wrap-Up</b>			
Activity 3.11.1: Review - Decimals and Operations	Review unit material in preparation for upcoming assessments.	30 min	
Activity 3.11.3: Test (TST) - Decimals and Operations	Take a teacher-scored test to assess what you have learned in this unit.	30 min	Face - to - Face No Later Than 9/20/10

*\*Decimals and Operations Packet need to be complete and turned in to take test!*

*Math Foundations II*    **Unit 4: Percents, Ratios, Proportions and Rates**

Lesson/Activity	Objectives	Suggested Time Requirement	Suggested Due Dates for a Semester Course
<b>Lesson 1: The Meaning of Percent</b>			
Activity 4.1.1: Study - The Meaning of Percent	Learn about the definition of percent. Learn about percent as a fraction in which the denominator is always 100% as a ratio of part to whole.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.1.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.1.3: Quiz - The Meaning of Percent	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 9/21/10
<b>Lesson 2: Estimating Percent</b>			
Activity 4.2.1: Study - Estimating Percent	Learn about common percents and where they appear converting percents to fractions and estimating amounts using common percents. Practice these skills using sample problems.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.2.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.2.3: Quiz - Estimating Percent	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 9/22/10
<b>Lesson 3: Working with Percents</b>			
Activity 4.3.1: Study - Working with Percents	Learn about how the sum of a whole always equals 100% and about finding missing percents. Explore real-world problems finding percents.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )

Activity 4.3.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.3.3: Quiz - Working with Percents	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 9/23/10
<b>Lesson 4: Relating Fractions Decimals and Percents</b>			
Activity 4.4.1: Study - Relating Fractions Decimals and Percents	Learn about writing values as fractions decimals and percents. Practice finding the missing percent decimal or fraction using sample problems.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.4.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.4.3: Quiz - Relating Fractions Decimals and Percents	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 9/24/10
<b>Lesson 5: Common Fractions Decimals and Percents</b>			
Activity 4.5.1: Study - Common Fractions Decimals and Percents	Review long division placing the decimal point in order to divide adding zeros in order to hold place value using decimals in order to display remainders and dividing decimals by decimals. Practice these skills using sample problems.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.5.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.5.3: Quiz - Common Fractions Decimals and Percents	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 9/27/10
<b>Lesson 6: Introduction to Ratios</b>			
Activity 4.6.1: Study - Introduction to Ratios	Learn about writing fractions as ratios simplifying ratios other ways to write ratios	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )

	and the order of numbers in a ratio. Practice these skills using sample problems.		
Activity 4.6.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.6.3: Quiz - Introduction to Ratios	Take a quiz to check your understanding of what you have learned.	20 min	<b>Online</b> <a href="#">9/28/10</a>
<b>Lesson 7: Comparing Ratios</b>			
Activity 4.7.1: Study - Comparing Ratios	Learn how to compare two ratios and convert ratios into fractions and percentages.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.7.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.7.3: Quiz - Comparing Ratios	Take a quiz to check your understanding of what you have learned.	20 min	<b>Online</b> <a href="#">9/29/10</a>
<b>Lesson 8: Proportions</b>			
Activity 4.8.1: Study - Proportions	Use ratios to define proportions and solve problems involving proportions.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.8.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.8.3: Quiz - Proportions	Take a quiz to check your understanding of what you have learned.	20 min	<b>Online</b> <a href="#">9/30/10</a>
<b>Lesson 9: Rates</b>			
Activity 4.9.1: Study - Rates	Use ratios to define rates and solve rate problems.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.9.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )

Activity 4.9.3: Quiz - Rates	Take a quiz to check your understanding of what you have learned.	20 min	Online 10/1/10
<b>Lesson 10: Similarity and Scale Factors</b>			
Activity 4.10.1: Study - Similarity and Scale Factors	Use proportions to describe similar geometric objects.	30 min	Packet (Documents: Study Sheet)
Activity 4.10.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	Packet (Documents: Checkup)
Activity 4.10.3: Quiz - Similarity and Scale Factors	Take a quiz to check your understanding of what you have learned.	20 min	Online 10/4/10
<b>Lesson 11: Problem Solving</b>			
Activity 4.11.1: Study - Problem Solving	Learn strategies for solving a variety of application problems related to topics in this unit.	30 min	
Activity 4.11.2: Practice - Assignment	Submit your work for a set of problem-solving applications.	30 min	Packet (Documents: Practice Assignment)
<b>Lesson 12: Percents Ratios Proportions and Rates Wrap-Up</b>			
Activity 4.12.1: Review - Percents Ratios Proportions and Rates	Review unit material in preparation for upcoming assessments.	30 min	
Activity 3.11.3: Test (TST) - Decimals and Operations	Take a teacher-scored test to assess what you have learned in this unit.	30 min	Face - to - Face No Later Than 10/6/10

*\*Percents Ratios Proportions Packet need to be complete and turned in to take test!*

Lesson/Activity	Objectives	Suggested Time Requirement	Suggested Due Dates for a Semester Course
<b>Lesson 1: Metric and Customary Units</b>			
Activity 4.1.1: Study - Metric and Customary Units	Compare the units of measurement found in the metric and British/U.S. System of Units. Learn about derived units such as miles per hour.	40 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.1.2: Checkup - Practice Problems	Check your understanding of the lesson.	25 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.1.3: Quiz - Customary Units	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 10/7/10
Activity 4.1.4: Quiz - Metric System	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 10/8/10
<b>Lesson 2: Converting Units</b>			
Activity 4.2.1: Study - Converting Units	Learn how to use a special case of multiplication by 1 to cancel out units and change one unit of measurement to another.	40 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.2.2: Checkup - Practice Problems	Check your understanding of the lesson.	25 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.2.3: Quiz - Canceling Units	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 10/11/10
Activity 4.2.4: Quiz - Converting Units	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> 10/12/10
<b>Lesson 3: Estimation and Scale</b>			
Activity 4.3.1: Study - Estimation and Scale	Learn about the scale of numbers order of magnitude powers of 10 and Fermi problems.	40 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )

Activity 4.3.2: Checkup - Practice Problems	Check your understanding of the lesson.	25 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.3.3: Quiz - Estimation and Scale	Take a quiz to check your understanding of what you have learned.	20 min	<b>Online</b> <b>10/13/10</b>
<b>Lesson 5: Applications of Measurement</b>			
Activity 4.5.1: Study - Applications of Measurement	Use what you know about unit conversion estimation scale precision and accuracy to solve word problems.	40 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 4.5.2: Checkup - Practice Problems	Check your understanding of the lesson.	25 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 4.5.3: Quiz - Applications of Measurement	Take a quiz to check your understanding of what you have learned.	20 min	<b>Online</b> <b>10/14/10</b>
<b>Lesson 6: Measurement Wrap-Up</b>			
Activity 4.6.1: Practice - Assignment	Submit your work for a set of 10 practice problems.	40 min	<b>Packet</b> (Documents: <a href="#">Practice Assignment</a> )
Activity 4.6.2: Review - Measurement	Get ready for the unit test by reviewing important ideas and skills.	30 min	<b>Packet</b> (Documents: <a href="#">Review</a> )
Activity 4.6.5: Test (TST) - Measurement	Take a teacher-scored test to check what you have learned in this unit.	20 min	<b>Face - to - Face</b> <b>No Later Than</b> <b>10/15/10</b>

*\*Measurement Packet need to be complete and turned in to take test!*

Lesson/Activity	Objectives	Suggested Time Requirement	Suggested Due Dates for a Semester Course
<b>Lesson 2: Absolute Value</b>			
Activity 1.2.1: Study - Absolute Value	Learn about the absolute value of integers the definition symbol and the absolute value of expressions.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 1.2.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 1.2.3: Quiz - Absolute Value	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> <b>10/18/10</b>
<b>Lesson 6: Order of Operations</b>			
Activity 1.6.1: Study - Order of Operations	Use the order of operations to evaluate expressions.	30 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 1.6.2: Checkup - Practice Problems	Complete a set of practice problems to hone your calculation skills.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 1.6.3: Quiz - Order of Operations	Take a quiz to check your understanding of what you have learned.	20 min	<a href="#">Online</a> <b>10/19/10</b>

Lesson/Activity	Objectives	Suggested Time Requirement	Suggested Due Dates for a Semester Course
<b>Lesson 1: Types of Wages</b>			
Activity 2.1.1: Study - Types of Wages	Understand the difference between hourly rate and salary. Use the hourly rate to calculate gross pay from a time card. Learn how to take overtime and tips into account.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.1.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.1.3: Quiz - Types of Wages	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> <a href="#">10/21/10</a>
<b>Lesson 2: Compensation Packages</b>			
Activity 2.2.1: Study - Compensation Packages	Learn the various types of benefits that may be part of a compensation package. Explore situations in which a higher-paying job is not necessarily the best overall compensation.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.2.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.2.3: Quiz - Introduction to Fraction Arithmetic	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> <a href="#">10/25/10</a>
<b>Lesson 3: Piece Rate</b>			
Activity 2.3.1: Study - Piece Rate	Understand the concept of piece rate. Learn how to estimate hourly pay from piece rate. Model hourly and piece rates as linear equations through the origin.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )

Activity 2.3.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.3.3: Quiz - Equivalent Fractions	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 10/27/10
<b>Lesson 4: Linear Equations and Wages</b>			
Activity 2.4.1: Study - Linear Equations and Wages	Learn about finding Learn how to model salary that includes a start fee. Understand the concept of a $y$ -intercept. Use piecewise functions to model bonus pay.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.4.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.4.3: Quiz - Simplifying Fractions	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 10/29/10
<b>Lesson 5: Percentages and Commission</b>			
Activity 2.5.1: Study - Percentages and Commission	Understand how to use percentages to calculate commission pay with the formula $C = prn$ .	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.5.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.5.3: Quiz - Improper Fractions and Mixed Numbers	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 11/2/10
<b>Lesson 6: Take-Home Pay: Required Deductions</b>			
Activity 2.6.1: Study - Take-Home Pay: Required Deductions	Understand how taxes Social Security and Medicare are required deductions. Practice calculating the effect of such deductions.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.6.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.6.3: Quiz - Dividing Fractions	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 11/4/10

<b>Lesson 7: Take-Home Pay: Optional Deductions</b>			
Activity 2.7.1: Study - Take-Home Pay: Optional Deductions	Explore the concept of an optional deduction such as health insurance life insurance disability and retirement. Practice calculating net or take-home pay.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.7.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.7.3: Quiz - Adding and Subtracting Fractions	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> <a href="#">11/8/10</a>
<b>Lesson 8: Income and Career</b>			
Activity 2.8.1: Study - Income and Career	Understand various sources of income and the relationship between income and career preparation. Describe the correlation between income and a worker skills and education.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.8.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 2.8.3: Quiz - Rational Numbers	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> <a href="#">11/10/10</a>
<b>Lesson 9: Cost of Living and Budget</b>			
Activity 2.9.1: Study - Budget Sheets	Explore various types of monthly expenditures. Practice preparing and using a budget.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 2.9.2: Practice - Assignment	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Practice Assignment</a> )
Activity 2.9.3: Quiz - Cost of Living and Budget	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> <a href="#">11/12/10</a>

<b>Lesson 10: Income and Budgeting Wrap-Up</b>			
<b>Activity 2.10.1: Review - Income and Budgeting</b>	Prepare for the unit test by reviewing key concepts and skills.	30 min	(Documents: Review)
<b>Activity 2.10.2: Practice - Income and Budgeting</b>	Submit your work for a set of practice problems.	40 min	(Documents: Practice Assignment)
<b>Activity 2.10.5: Test (TST) - Income and Budgeting</b>	Take a teacher-scored test to assess what you have learned in this unit.	50 min	Face - to - Face No Later Than 11/15/10

*\*Cost of Living and Budgeting Packet need to be complete and turned in to take test!*

Lesson/Activity	Objectives	Suggested Time Requirement	Suggested Due Dates for a Semester Course
<b>Lesson 1: Sales Tax</b>			
Activity 5.1.1: Study - Sales Tax	Learn how to calculate sales tax based on percentages. Consider various state sales taxes and practice calculating totals while taking exempt items into account.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 5.1.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 5.1.3: Quiz - Sales Tax	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> <b>11/17/10</b>
<b>Lesson 2: Coupons Rebates and Sales</b>			
Activity 5.2.1: Study - Coupons Rebates and Sales	Understand the effect of a coupon rebate or sale. Calculate the purchase total using the formula <i>item price - deduction + tax</i> .	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 5.2.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 5.2.3: Quiz - Coupons Rebates and Sales	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> <b>11/19/10</b>
<b>Lesson 3: Marketing</b>			
Activity 5.3.1: Study - Marketing	Understand the impact of marketing advertising and sales strategies/techniques on purchasing decisions.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 5.3.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 5.3.3: Quiz - Marketing	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> <b>11/30/10</b>

<b>Lesson 4: Credit Cards</b>			
Activity 5.4.1: Study - Credit Cards	Understand how credit cards work and learn the language of credit. Compute the APR and effective rate of a given credit card.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 5.4.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 5.4.3: Quiz - Credit Cards	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 12/2/10
<b>Lesson 5: Calculating Credit Card Interest</b>			
Activity 5.5.1: Study - Calculating Credit Card Interest	Learn how credit card companies compute interest. Explore the average daily balance previous balance and adjusted balance methods.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 5.5.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 5.5.3: Quiz - Calculating Credit Card Interest	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 12/6/10
<b>Lesson 6: Tracking Payments and Purchases</b>			
Activity 5.6.1: Study - Tracking Payments and Purchases	Make a table that shows the effects of making payments and additional purchases on the balance.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 5.6.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 5.6.3: Quiz - Tracking Payments and Purchases	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 12/8/10
<b>Lesson 7: Comparing Credit Cards</b>			
Activity 5.7.1: Study - Comparing Credit Cards	Compare the advantages and disadvantages of using cash versus a credit card. Compare cards by	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )

	considering terms of use such as annual fees and a lower APR no fees and a higher APR or an introductory APR.		
Activity 5.7.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 5.7.3: Quiz - Comparing Credit Cards	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 12/10/10
<b>Lesson 8: Credit Scores</b>			
Activity 5.8.1: Study - Credit Scores	Learn the factors that are used to compute a credit score. Understand the scoring system. Understand how to improve your credit score. Use a hypothetical credit score table to determine a credit score.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 5.8.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 5.8.3: Quiz - Credit Scores	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 12/14/10
<b>Lesson 9: Bankruptcy</b>			
Activity 5.9.1: Study - Bankruptcy	Define personal and business bankruptcy. Understand how bankruptcy works. See how bankruptcy affects your credit score.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 5.9.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Practice Assignment</a> )
Activity 5.9.3: Quiz - Bankruptcy	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 12/16/10
<b>Lesson 10: Purchasing and Credit Wrap-Up</b>			
Activity 5.10.1: Review - Purchasing and Credit	Prepare for the unit test by reviewing key concepts and skills.	30 min	(Documents: <a href="#">Review</a> )

Activity 5.10.2: Practice - Purchasing and Credit	Submit your work for a set of practice problems.	40 min	(Documents: Practice Assignment)
Activity 5.10.5: Test (TST) - Purchasing and Credit	Take a teacher-scored test to assess what you have learned in this unit.	50 min	Face - to - Face No Later Than 12/17/10

*\*Purchasing and Credit Packet need to be complete and turned in to take test!*

Lesson/Activity	Objectives	Suggested Time Requirement	Suggested Due Dates for a Semester Course
<b>Lesson 1: Single and Payday Loans</b>			
Activity 6.1.1: Study - Single and Payday Loans	Define single and payday loans. Calculate the interest payments on single and payday loans. Compare APR to EAR (effective annual rate).	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 6.1.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 6.1.3: Quiz - Single and Payday Loans	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 1/3/11
<b>Lesson 2: Installment Loans and Layaway</b>			
Activity 6.2.1: Study - Installment Loans and Layaway	Understand how installment loans work. Learn the process of buying something on layaway. Calculate the number of weeks needed to pay off debts or purchases.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 6.2.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 6.2.3: Quiz - Installment Loans and Layaway	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 1/4/11
<b>Lesson 3: Monthly Payment</b>			
Activity 6.3.1: Study - Monthly Payment	Derive and use the monthly payment formula. Learn the term <i>amortization</i> . Calculate the rate per period when the compounding period matches the number of payment periods.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 6.3.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )

Activity 6.3.3: Quiz - Monthly Payment	Take a quiz to assess your understanding of the material.	20 min	Online 1/5/11
<b>Lesson 4: Loan Pre-Approvals</b>			
Activity 6.4.1: Study - Loan Pre-Approvals	Use the monthly payment formula to solve for the maximum loan amount. Calculate the rate per period.	45 min	Packet (Documents: Study Sheet)
Activity 6.4.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	Packet (Documents: Checkup)
Activity 6.4.3: Quiz - Loan Pre-Approvals	Take a quiz to assess your understanding of the material.	20 min	Online 1/6/11
<b>Lesson 5: Deferred Payments</b>			
Activity 6.5.1: Study - Deferred Payments	Explore situations in which there is a deferral of principal and interest payments. Compare the advantages and disadvantages of deferred payments. Consider school loans as a particular example of deferred payments.	45 min	Packet (Documents: Study Sheet)
Activity 6.5.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	Packet (Documents: Checkup)
Activity 6.5.3: Quiz - Deferred Payments	Take a quiz to assess your understanding of the material.	20 min	Online 1/7/11
<b>Lesson 6: Paying Off</b>			
Activity 6.6.1: Study - Paying Off	Use the time-to-pay-off formula. Understand how the log function can be used to solve for variables in exponential expressions.	45 min	Packet (Documents: Study Sheet)
Activity 6.6.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	Packet (Documents: Checkup)
Activity 6.6.3: Quiz - Paying Off	Take a quiz to assess your understanding of the material.	20 min	Online 1/8/11

<b>Lesson 7: Prepayment</b>			
Activity 6.7.1: Study - Prepayment	Derive the prepayment formula. Understand how prepayment affects the loan. Calculate the amount needed to pay off a loan in a certain time period.	45 min	<b>Packet</b> (Documents: <a href="#">Study Sheet</a> )
Activity 6.7.2: Checkup - Practice Problems	Check your understanding of the lesson.	20 min	<b>Packet</b> (Documents: <a href="#">Checkup</a> )
Activity 6.7.3: Quiz - Prepayment	Take a quiz to assess your understanding of the material.	20 min	<a href="#">Online</a> 1/9/11
<b>Lesson 8: Loans and Payments Wrap-Up</b>			
Activity 6.8.1: Review - Loans and Payments	Prepare for the unit test by reviewing key concepts and skills.	30 min	(Documents: <a href="#">Review</a> )
Activity 6.8.2: Practice - Loans and Payments	Submit your work for a set of practice problems.	40 min	(Documents: <a href="#">Practice Assignment</a> )
Activity 6.8.5: Test (TST) - Loans and Payments	Take a teacher-scored test to assess what you have learned in this unit.	50 min	<b>Face - to - Face</b> <b>No Later Than</b> <b>1/13/11</b>

*\*Loans and Payments Packet need to be complete and turned in to take test!*