

**Course Description:**

During the second semester, students will explore concepts of measurement including linear measurement, weight, volume, temperature, and time. They will also recognize, compare, and convert fractions. Students will write amounts of money and make change using as few coins as possible. Lastly, students will examine lines, polygons, and solid figures as they are introduced to basic concepts of geometry.

**Materials Needed:**

- 12 sheets of hundreds blocks
- Penny, nickel, dime, quarter, dollar bill
- Spoon
- Ruler
- Tape measure
- Wire hangar
- 2 Paper cups
- String
- Tape
- 10 Paper clips
- Crayon (new)
- Liquid measuring cup
- Gallon jug
- Water bottle (liter)
- Eye dropper or medicine spoon
- Thermometers (assorted)
- Brad (brass)
- Cardboard or paper plate
- Glue stick
- Scissors

Module	Activity Type	Title	Objectives	Assessments
19	Lesson	Comparing Fractions	<ul style="list-style-type: none"> <li>• Explain numerator and denominator.</li> <li>• Use pictures to identify and write halves, thirds, and fourths.</li> <li>• Compare fractions with like denominators (halves, thirds, and fourths).</li> <li>• Add 1, 2, 11, and 12 to any number quickly.</li> </ul>	<ul style="list-style-type: none"> <li>• Comparing Fractions Notes Assignment</li> <li>• Comparing Fractions Quiz</li> <li>• Lesson 19 Online Practice Score</li> </ul>
	IXL Online Practice	Identify halves, thirds, and fourths	<ul style="list-style-type: none"> <li>• Identify fractions as part of a whole.</li> </ul>	

Module	Activity Type	Title	Objectives	Assessments
	IXL Online Practice	Understand fractions: area models	<ul style="list-style-type: none"> <li>Recognize the model that matches the fraction and vice versa.</li> </ul>	
20	Lesson	Analyzing Fractions	<ul style="list-style-type: none"> <li>Use pictures to identify fractions (fifths - twelfths).</li> <li>Explain equivalent fractions with the denominator 2-12.</li> <li>Explain fractions with the denominator 100.</li> <li>Compute facts with the four operations.</li> </ul>	<ul style="list-style-type: none"> <li>Analyzing Fractions Notes Assignment</li> <li>Analyzing Fractions s Quiz</li> <li>Lesson 20 Online Practice Score</li> </ul>
	IXL Online Practice	Match unit fractions to models	<ul style="list-style-type: none"> <li>Recognize the model that matches the fraction and vice versa.</li> </ul>	
	IXL Online Practice	Match fractions to models	<ul style="list-style-type: none"> <li>Recognize the model that matches the fraction and vice versa.</li> </ul>	
21	Lesson	Decimals and Fractions	<ul style="list-style-type: none"> <li>Write mixed numbers.</li> <li>Read decimals to the hundredths.</li> <li>Convert fractions to decimals.</li> <li>Compute facts with the four operations.</li> </ul>	<ul style="list-style-type: none"> <li>Decimals and Fractions Notes Assignment</li> <li>Decimals and Fractions Quiz</li> <li>Lesson 21 Online Practice Score</li> </ul>
	IXL Online Practice	Match mixed numbers to models	<ul style="list-style-type: none"> <li>Identify a model that matches a mixed number and vice versa.</li> </ul>	
	IXL Online Practice	Word names for mixed numbers	<ul style="list-style-type: none"> <li>Write out the number that matches a model of a mixed number.</li> </ul>	
22	Lesson	Adding and Subtracting Money	<ul style="list-style-type: none"> <li>Compare, add and subtract amounts of money.</li> </ul>	<ul style="list-style-type: none"> <li>Adding and Subtracting Money Notes Assignment</li> </ul>

Module	Activity Type	Title	Objectives	Assessments
	IXL Online Practice	Add and subtract money amounts	<ul style="list-style-type: none"> <li>Add and subtract amounts of money.</li> </ul>	<ul style="list-style-type: none"> <li>Adding and Subtracting Money Quiz</li> <li>Lesson 22 Online Practice Score</li> </ul>
	IXL Online Practice	Add money amounts - word problems	<ul style="list-style-type: none"> <li>Solve word problems involving adding money.</li> </ul>	
23	Lesson	Making Change	<ul style="list-style-type: none"> <li>Compare, add and subtract amounts of money.</li> </ul>	<ul style="list-style-type: none"> <li>Making Change Notes Assignment</li> <li>Making Change Quiz</li> <li>Lesson 24 Online Practice Score</li> </ul>
	IXL Online Practice	Making change	<ul style="list-style-type: none"> <li>Find the amount of change return for a purchase.</li> </ul>	
	IXL Online Practice	Purchases – do you have enough money – up to \$10	<ul style="list-style-type: none"> <li>Find the amount of change return for a purchase.</li> </ul>	
24	Lesson	Word Problems with Parentheses	<ul style="list-style-type: none"> <li>Interpret word problems with two steps.</li> <li>Solve equations with two or more operations.</li> <li>Indicate order of operations with parentheses.</li> <li>Add and subtract quarters, dimes, and nickels mentally.</li> </ul>	<ul style="list-style-type: none"> <li>Word Problems with Parentheses Notes Assignment</li> <li>Word Problems with Parentheses Quiz</li> <li>Lesson 24 Online Practice Score</li> </ul>
	IXL Online Practice	Understanding parentheses	<ul style="list-style-type: none"> <li>Solve problems involving parentheses.</li> </ul>	
	IXL Online Practice	Missing operators	<ul style="list-style-type: none"> <li>Determine the missing operator to make a problem true.</li> </ul>	
25	Lesson	Linear Measurement: Inches, Feet, and Yards	<ul style="list-style-type: none"> <li>Compare yards, feet, and inches</li> <li>Measure items using non-standard units.</li> <li>Measure items in yards, feet, and inches.</li> </ul>	<ul style="list-style-type: none"> <li>Linear Measurement: Inches, Feet, and Yards Notes Assignment</li> <li>Linear Measurement: Inches, Feet, and Yards Quiz</li> <li>Lesson 25 Online Practice Score</li> </ul>

Module	Activity Type	Title	Objectives	Assessments
			<ul style="list-style-type: none"> <li>Mentally compute with regrouping.</li> <li>Use basic fact knowledge to convert feet and yards to inches.</li> </ul>	
	IXL Online Practice	Which customary unit of length is appropriate?	<ul style="list-style-type: none"> <li>Determine which customary unit of length is appropriate to a given situation.</li> </ul>	
	IXL Online Practice	Compare and Convert customary units of length	<ul style="list-style-type: none"> <li>Compare and convert between the customary units of length.</li> </ul>	
26	Lesson	Linear Measurement: Centimeters and Meters	<ul style="list-style-type: none"> <li>Compare centimeters and meters.</li> <li>Measure items in centimeters and meters.</li> <li>Mentally compute with regrouping.</li> <li>Convert between centimeters and meters.</li> </ul>	<ul style="list-style-type: none"> <li>Linear Measurement: Centimeters and Meters Notes Assignment</li> <li>Linear Measurement: Centimeters and Meters Quiz</li> <li>Lesson 26 Online Practice Score</li> </ul>
	IXL Online Practice	Which metric unit of length is appropriate?	<ul style="list-style-type: none"> <li>Determine which metric unit of length is appropriate to a given situation.</li> </ul>	
	IXL Online Practice	Compare and convert metric units of length	<ul style="list-style-type: none"> <li>Compare and convert between the metric units of length.</li> </ul>	
27	Lesson	Weight: Ounces and Pounds	<ul style="list-style-type: none"> <li>Compare the weight of objects using a non-standard unit of measure.</li> <li>Identify abbreviations for pounds and ounces.</li> <li>Estimate and measure weight in pounds and ounces.</li> <li>Mentally compute with regrouping.</li> </ul>	<ul style="list-style-type: none"> <li>Weight: Ounces and Pounds Notes Assignment</li> <li>Weight: Ounces and Pounds Quiz</li> <li>Lesson 27 Online Practice Score</li> </ul>

Module	Activity Type	Title	Objectives	Assessments
	IXL Online Practice	Which customary unit of weight is appropriate?	<ul style="list-style-type: none"> <li>Compare and convert between the customary units of weight.</li> </ul>	
	IXL Online Practice	Compare and convert customary units of weight	<ul style="list-style-type: none"> <li>Compare and convert between the customary units of weight.</li> </ul>	
28	Lesson	Weight: Grams and Kilograms	<ul style="list-style-type: none"> <li>Explain the difference between mass and weight.</li> <li>Convert grams and kilograms</li> <li>Estimate mass in grams and kilograms.</li> <li>Compute mentally with regrouping.</li> </ul>	<ul style="list-style-type: none"> <li>Weight: Grams and Kilograms Notes Assignment</li> <li>Weight: Grams and Kilograms Quiz</li> <li>Lesson 28 Online Practice Score</li> </ul>
	IXL Online Practice	Which metric unit of weight is appropriate?	<ul style="list-style-type: none"> <li>Compare and convert between the metric units of weight.</li> </ul>	
	IXL Online Practice	Compare and convert metric units of weight	<ul style="list-style-type: none"> <li>Compare and convert between the metric units of weight.</li> </ul>	
29	Lesson	Volume: Cups, Pints, Quarts, and Gallons	<ul style="list-style-type: none"> <li>Choose the most appropriate unit to measure volume.</li> <li>Estimate and measure liquid in cups, pints, quarts, and gallons.</li> <li>Identify equivalent capacity in cups, pints, quarts, and gallons.</li> <li>Mentally compute with regrouping.</li> </ul>	<ul style="list-style-type: none"> <li>Volume: Cups, Pints, Quarts, and Gallons Notes Assignment</li> <li>Volume: Cups, Pints, Quarts, and Gallons Quiz</li> <li>Lesson 29 Online Practice Score</li> </ul>
	IXL Online Practice	Which customary unit of volume is appropriate?	<ul style="list-style-type: none"> <li>Determine the best customary unit of volume for a given situation.</li> </ul>	

Module	Activity Type	Title	Objectives	Assessments
	IXL Online Practice	Compare and convert customary units of volume.	<ul style="list-style-type: none"> <li>Compare and convert between the customary units of volume.</li> </ul>	
30	Lesson	Volume: Liters to Quarts	<ul style="list-style-type: none"> <li>Compare liters to quarts.</li> <li>Measure fractional amounts.</li> <li>Solve capacity word problems</li> <li>Compute mentally with regrouping.</li> </ul>	<ul style="list-style-type: none"> <li>Volume: Liters to Quarts Notes Assignment</li> <li>Volume: Liters to Quarts Quiz</li> <li>Lesson 30 Online Practice Score</li> </ul>
	IXL Online Practice	Which metric unit of volume is appropriate?	<ul style="list-style-type: none"> <li>Determine the best metric unit of volume for a given situation.</li> </ul>	
	IXL Online Practice	Compare and convert metric units of volume.	<ul style="list-style-type: none"> <li>Compare and convert between the metric units of volume.</li> </ul>	
31	Lesson	Temperature: Fahrenheit and Celsius	<ul style="list-style-type: none"> <li>Measure temperature in degrees Fahrenheit and Celsius.</li> <li>Record temperature with degree sign.</li> <li>Know the freezing point of water in degrees Fahrenheit and Celsius.</li> <li>Mentally compute with decimals.</li> </ul>	<ul style="list-style-type: none"> <li>Temperature: Fahrenheit and Celsius Notes Assignment</li> <li>Temperature: Fahrenheit and Celsius Quiz</li> <li>Lesson 31 Online Practice Score</li> </ul>
	IXL Online Practice	Reasonable temperature	<ul style="list-style-type: none"> <li>Determine a reasonable temperature measure given a specific situation.</li> </ul>	
	IXL Online Practice	What decimal number is illustrated?	<ul style="list-style-type: none"> <li>Determine the numeric decimal for a given model.</li> </ul>	
32	Lesson	Movement of Time on Clock	<ul style="list-style-type: none"> <li>Record date and time in words and numbers.</li> <li>Convert days, hours, minutes, and seconds.</li> <li>Read the minute hand on a clock.</li> </ul>	<ul style="list-style-type: none"> <li>Movement of Time on Clock Notes Assignment</li> <li>Movement of Time on Clock Quiz</li> <li>Lesson 32 Online Practice Score</li> </ul>

Module	Activity Type	Title	Objectives	Assessments
			<ul style="list-style-type: none"> <li>Add and subtract numbers 0-60 mentally.</li> </ul>	
	IXL Online Practice	Read clocks and write times	<ul style="list-style-type: none"> <li>Tell and write time to the nearest minute.</li> </ul>	
	IXL Online Practice	Read a calendar	<ul style="list-style-type: none"> <li>Read the date from a calendar.</li> </ul>	
33	Lesson	Time: Hour, Half Hour and Quarter Hour	<ul style="list-style-type: none"> <li>Read time on the hour, half, and quarter hour.</li> <li>Express time in "minutes before" and "minutes after".</li> <li>Discuss elapsed time on the half and quarter hour.</li> <li>Add and subtract number 0-60 mentally.</li> </ul>	<ul style="list-style-type: none"> <li>Time: Hour, Half Hour and Quarter Hour Notes Assignment</li> <li>Time: Hour, Half Hour and Quarter Hour Quiz</li> <li>Lesson 33 Online Practice Score</li> </ul>
	IXL Online Practice	Elapsed time I	<ul style="list-style-type: none"> <li>Solve problems related to elapsed time.</li> </ul>	
	IXL Online Practice	Elapsed time II	<ul style="list-style-type: none"> <li>Solve problems related to elapsed time.</li> </ul>	
34	Lesson	Attributes of Two-Dimensional Shapes	<ul style="list-style-type: none"> <li>Identify and describe points, lines, line segments, rays, and angles.</li> <li>Distinguish two dimensional and three dimensional shapes.</li> <li>Draw and describe the properties of polygons with two - six sides.</li> <li>Distinguish quadrilaterals.</li> <li>Mentally compute with regrouping.</li> </ul>	<ul style="list-style-type: none"> <li>Attributes of Two-Dimensional Shapes Notes Assignment</li> <li>Attributes of Two-Dimensional Shapes Quiz</li> <li>Lesson 34 Online Practice Score</li> </ul>
	IXL Online Practice	Which 2-dimensional shape is being described?	<ul style="list-style-type: none"> <li>Identify the two-dimensional shape described.</li> </ul>	

Module	Activity Type	Title	Objectives	Assessments
	IXL Online Practice	Classify quadrilaterals	<ul style="list-style-type: none"> <li>Classify quadrilaterals based on attributes.</li> </ul>	
35	Lesson	Quadrilaterals and Three-Dimensional Shapes	<ul style="list-style-type: none"> <li>Identify quadrilaterals by name</li> <li>Define polyhedron, faces, sides, and vertices</li> <li>Describe congruent figures</li> <li>Identify quadrilaterals by name</li> </ul>	<ul style="list-style-type: none"> <li>Quadrilaterals and Three-Dimensional Shapes Notes Assignment</li> <li>Quadrilaterals and Three-Dimensional Shapes Quiz</li> <li>Lesson 35 Online Practice Score</li> </ul>
	IXL Online Practice	Identify 2-dimensional and 3-dimensional shapes	<ul style="list-style-type: none"> <li>Identify two- and three-dimensional shapes.</li> </ul>	
	IXL Online Practice	Count and compare sides and angles	<ul style="list-style-type: none"> <li>Count and compare the number of sides and angles in given shapes.</li> </ul>	
36	Lesson 36	Slides, Flips, and Turns	<ul style="list-style-type: none"> <li>Analyze quadrilaterals.</li> <li>Identify and describe the results of a slide, flip, and turn.</li> <li>Describe symmetry.</li> <li>Tessellate a shape.</li> </ul>	<ul style="list-style-type: none"> <li>Slides, Flips, and Turns Notes Assignment</li> <li>Slides, Flips, and Turns Quiz</li> <li>Lesson 36 Online Practice Score</li> </ul>
	IXL Online Practice	Reflection, rotation, and translation	<ul style="list-style-type: none"> <li>Identify slides (translation), flips (turns), and turns (rotation).</li> </ul>	
	IXL Online Practice	Symmetry	<ul style="list-style-type: none"> <li>Identify pictures which reflect symmetry.</li> </ul>	