

Course Description:

During the second semester students will begin counting by twos, fives, and tens. They will learn both vertical addition and subtraction. Students are introduced to multiplication and division and the signs used in those operations. They will also study even and odd numbers.

Students continue their exploration of geometric shapes through drawing and apply what they learn about shapes by sorting various figures in Venn diagrams. They will also use a balance beam to understand the concept of weight – lighter versus heavier.

As in semester A, students will have multiple opportunities to practice new skills and knowledge through using integrated online practice problems.

Module	Lesson/Activity	Objectives
19	Introducing Two-Digits	<ul style="list-style-type: none"> Add a two-digit number to a one-digit number.
	Use the Number Line to Add: Online Practice	<ul style="list-style-type: none"> Add a two-digit number to a one-digit number using a number line.
	Comparing Two-Digit Numbers	<ul style="list-style-type: none"> Compare 2 two-digit numbers (less than 21). Write numbers from 0 to 100 using expanded form.
	Smaller or Greater: Online Practice	<ul style="list-style-type: none"> Choose the greater number given a set of numbers.
	Reviewing Addition Strategies	<ul style="list-style-type: none"> Review strategies to solve addition problems.
	Two-Digit Addition	<ul style="list-style-type: none"> Add 2 two-digit numbers with regrouping.
	Adding 4 Numbers	<ul style="list-style-type: none"> Add 4 one-digit numbers.
	Add Four Numbers: Online Practice	<ul style="list-style-type: none"> Add 4 one-digit numbers.
20	Word Problems I	<ul style="list-style-type: none"> Solve word problems using subtraction.
	Word Problems II	<ul style="list-style-type: none"> Solve word problems using addition and subtraction.
	Word Problems: Addition and Subtraction: Online Practice	<ul style="list-style-type: none"> Solve word problems using addition and subtraction.
	Missing Numbers	<ul style="list-style-type: none"> Fill in missing numbers when counting by tens.
	Missing Addends - One-Digit	<ul style="list-style-type: none"> Fill in missing one-digit addends in a number sentence.

Module	Lesson/Activity	Objectives
	How Much More?: Online Practice	<ul style="list-style-type: none"> Determine how much more to get a specific number from a lower number.
	Missing Addends - Two-Digit	<ul style="list-style-type: none"> Find missing two-digit addends in number sentences
	Two-Digit Addition: Online Practice	<ul style="list-style-type: none"> Add two numbers.
21	Order	<ul style="list-style-type: none"> Put events in the correct order.
	Days of the Week: Online Practice	<ul style="list-style-type: none"> Put the days of the week in order.
	Subtraction – 16 and 17	<ul style="list-style-type: none"> Learn the subtraction facts of 16 and 17.
	Coins to a Dollar	<ul style="list-style-type: none"> Identify coin combinations that add up to one dollar.
	Make a Purchase: Online Practice	<ul style="list-style-type: none"> Count money to find exact change.
	Numbers through Nineteen	<ul style="list-style-type: none"> Recognize number words through nineteen.
	Two-Digit Subtraction I	<ul style="list-style-type: none"> Subtract a one-digit number from a two-digit number.
22	Subtracting One-Digit Numbers from Two-Digit Numbers: Online Practice	<ul style="list-style-type: none"> Subtract a one-digit number from a two-digit number.
	Two-Digit Subtraction II	<ul style="list-style-type: none"> Subtract 2, two-digit numbers.
	Subtract Two-Digit Numbers Vertically: Online Practice	<ul style="list-style-type: none"> Subtract 2, two-digit numbers.
	Missing Numbers	<ul style="list-style-type: none"> Fill in missing numbers when counting by 5's.
	Recognizing Numbers by 10's	<ul style="list-style-type: none"> Recognize the words ten through ninety, by 10's.
	Recognizing Numbers: Online Practice	<ul style="list-style-type: none"> Recognize the words ten through ninety, by 10's.
	Adding 4 One-Digit Numbers	<ul style="list-style-type: none"> Add four one-digit numbers with a sum greater than 19.
	Adding Four Numbers Vertically: Online Practice	<ul style="list-style-type: none"> Add four one-digit numbers with a sum greater than 19.
	Picture Graphs	<ul style="list-style-type: none"> Interpret information given in picture graphs.
	Subtraction - 18 and 19	<ul style="list-style-type: none"> Learn the subtraction facts of 18 and 19.

Module	Lesson/Activity	Objectives
23	Find the Difference: Online Practice	<ul style="list-style-type: none"> Find the difference with minuends up to 19.
	Missing Subtrahends	<ul style="list-style-type: none"> Fill in missing subtrahends in a number sentence.
	Missing Subtrahends: Online Practice	<ul style="list-style-type: none"> Fill in missing subtrahends in a number sentence.
	Number Words to 100	<ul style="list-style-type: none"> Recognize any number word up to 100.
	Number Words to 100: Online Practice	<ul style="list-style-type: none"> Recognize any number word up to 100.
	Making a Graph	<ul style="list-style-type: none"> Make graphs by gathering information.
	Conducting a Survey	<ul style="list-style-type: none"> Conduct a survey by gathering information. Create a graph of gathered information.
24	Position Words: Left, Middle, Right	<ul style="list-style-type: none"> Identify objects on the left, right, and middle.
	Giving Directions	<ul style="list-style-type: none"> Give directions to get from one point to another on a map.
	Greater Than, Less Than, Equal To	<ul style="list-style-type: none"> Recognize the symbols $<$, $>$, and $=$.
	Greater Than, Less Than, Equal To: Online Practice	<ul style="list-style-type: none"> Use the symbols $<$, $>$, and $=$ to compare two groups of objects.
	Adding Horizontally	<ul style="list-style-type: none"> Add two-digit numbers horizontally.
	Adding Horizontally: Online Practice	<ul style="list-style-type: none"> Add two-digit numbers horizontally.
	Subtraction Horizontally	<ul style="list-style-type: none"> Subtract two-digit numbers horizontally.
	Subtracting Horizontally: Online Practice	<ul style="list-style-type: none"> Subtract two-digit numbers horizontally.
25	Probability	<ul style="list-style-type: none"> Determine probabilities based on data.
	Symmetry	<ul style="list-style-type: none"> Draw lines of symmetry on letters.
	Symmetry: Online Practice	<ul style="list-style-type: none"> Identify symmetrical shapes using lines of symmetry.
	Creating Figures	<ul style="list-style-type: none"> Create figures using pattern blocks.

Module	Lesson/Activity	Objectives
	Recognizing Number Series	<ul style="list-style-type: none"> Recognize a number series by 2's, 5's, and 10's.
	Number Series: Online Practice	<ul style="list-style-type: none"> Skip count by 2's, 5's, and 10's.
	Add and Subtract 1	<ul style="list-style-type: none"> Calculate a number 1 more or 1 less than a given number.
	Find the Missing Number: Online Practice	<ul style="list-style-type: none"> Skip count by 2's, 5's, and 10's.
26	Finding Shapes	<ul style="list-style-type: none"> Find basic shapes in complex figures.
	Telling Time	<ul style="list-style-type: none"> Write the times shown on a clock.
	Tell Time: Online Practice	<ul style="list-style-type: none"> Tell the time on an analog clock.
	The Hundreds Chart	<ul style="list-style-type: none"> Add and subtract one using a hundred chart?
	Add and Subtract 10	<ul style="list-style-type: none"> Calculate a number 10 more or less than a given number.
	Counting Up To 100: Online Practice	<ul style="list-style-type: none"> Count up to 100.
	Counting Past 100	<ul style="list-style-type: none"> Use number patterns to count past 100.
	Counting Past 100: Online Practice	<ul style="list-style-type: none"> Identify the missing number by counting up to and past 100.
27	Word Problems to 20 - Addition	<ul style="list-style-type: none"> Add within 20 to solve addition problems.
	Addition Word Problems: Online Practice	<ul style="list-style-type: none"> Add within 20 to solve addition word problems.
	Word Problems to 20 - Subtraction	<ul style="list-style-type: none"> Subtract within 20 to solve subtraction problems.
	Subtraction Word Problems: Online Practice	<ul style="list-style-type: none"> Subtract within 20 to solve subtraction word problems.
	Ordinal Numbers	<ul style="list-style-type: none"> Recognize and write ordinal numbers.
	Ordinal Numbers: Online Practice	<ul style="list-style-type: none"> Match the ordinal number with the numeral.
	Tally Charts	<ul style="list-style-type: none"> Interpret and compare data using a tally chart.
	Counting and Addition	<ul style="list-style-type: none"> Relate counting to addition, counting by 2s.

Module	Lesson/Activity	Objectives
28	Subtracting Multiples of Ten	<ul style="list-style-type: none"> Subtract multiples of 10 from 10-90, using models.
	Subtract Multiples of 10: Online Practice	<ul style="list-style-type: none"> Subtract multiples of 10 from 10-90, using models.
	Shapes Within a Group	<ul style="list-style-type: none"> Identify shapes within a group of figures.
	Sides and Corners	<ul style="list-style-type: none"> Identify the number of sides and corners of shapes.
	Sides and Corners: Online Practice	<ul style="list-style-type: none"> Identify the number of sides and corners of shapes.
	Shapes with Straws	<ul style="list-style-type: none"> Create closed shapes using straws.
	Adding within 100	<ul style="list-style-type: none"> Add within 100 horizontally.
	Add up to 100: Online Practice	<ul style="list-style-type: none"> Add up to 100 horizontally.
29	Compare Weights	<ul style="list-style-type: none"> Identify which items are heavier and lighter by comparing weights.
	Compare Weights: Online Practice	<ul style="list-style-type: none"> Identify which items are heavier and lighter by comparing weights.
	Comparing Graphs	<ul style="list-style-type: none"> Describe differences by comparing and analyzing graphs.
	Sort the Shapes: Online Practice	<ul style="list-style-type: none"> Sort shapes by name.
	Sorting Letters	<ul style="list-style-type: none"> Sort capital letters by whether they have curved or straight lines.
	Adding Time	<ul style="list-style-type: none"> Add time to the hour. Estimate how long activities will take.
	Mental Subtraction	<ul style="list-style-type: none"> Mentally subtract 10 from a two-digit number.
	Mental Math: Subtraction: Online Practice	<ul style="list-style-type: none"> Compute differences using mental math.
30	Sequence	<ul style="list-style-type: none"> Arrange a sequence of events in pictorial form.
	First Next Last: Online Practice	<ul style="list-style-type: none"> Identify objects that come first, next, and last.
	Telling Time by 10	<ul style="list-style-type: none"> Tell time to the hour, half-hour, and ten minutes.
	Telling Time by 10: Online Practice	<ul style="list-style-type: none"> Tell time to the hour, half-hour, and ten minutes.
	Splitting Shapes	<ul style="list-style-type: none"> Partition shapes into two and four equal parts.

Module	Lesson/Activity	Objectives
	Equal Parts: Online Practice	<ul style="list-style-type: none"> Identify pictures that show shapes divided into equal parts.
	Flips, Slides, and Turns	<ul style="list-style-type: none"> Differentiate between flips, slides, and turns.
	Flips, Slides, and Turns: Online Practice	<ul style="list-style-type: none"> Analyze situations to determine whether an object has flipped, slid, or turned.
31	Missing Numbers	<ul style="list-style-type: none"> Fill in a missing number in a number sentence.
	What is the Missing Number?: Online Practice	<ul style="list-style-type: none"> Fill in a missing number in a number sentence.
	Adding Three Numbers	<ul style="list-style-type: none"> Add 3 one-digit numbers horizontally.
	Add 3 Numbers: Online Practice	<ul style="list-style-type: none"> Add 3 one-digit numbers horizontally.
	Choosing a Chart	<ul style="list-style-type: none"> Identify the best type of chart to display information.
	Estimating Time	<ul style="list-style-type: none"> Estimate how much time events take.
	Picture Graphs	<ul style="list-style-type: none"> Create a picture graph.
	Picture Graphs: Online Practice	<ul style="list-style-type: none"> Interpret data from a picture graph.
32	Missing Numbers - Count by 2's	<ul style="list-style-type: none"> Fill in the missing numbers when counting by 2's.
	Skip Count by 2's: Online Practice	<ul style="list-style-type: none"> Fill in the missing numbers when counting by 2's.
	Follow Directions	<ul style="list-style-type: none"> Follow directions to get to a location.
	Sort Clocks	<ul style="list-style-type: none"> Sort clocks according to the time they show.
	Giving Change	<ul style="list-style-type: none"> Calculate the number of coins to give change.
	Count Coins: Online Practice	<ul style="list-style-type: none"> Count money.
	More or Less Time	<ul style="list-style-type: none"> Identify the least or most time for activities.
	What Will Take More or Less Time?: Online Practice	<ul style="list-style-type: none"> Distinguish between events that take more or less time.
	Add on a Number Line	<ul style="list-style-type: none"> Add one-digit and two-digit numbers on a number line.

Module	Lesson/Activity	Objectives
33	Number Line: Addition: Online Practice	<ul style="list-style-type: none"> Add two numbers.
	Classifying Images	<ul style="list-style-type: none"> Classify images by their characteristics.
	Classify Objects: Online Practice	<ul style="list-style-type: none"> Classify objects by their characteristics.
	Skip-Counting by 100's	<ul style="list-style-type: none"> Skip count by 100.
	Elapsed Time	<ul style="list-style-type: none"> Find elapsed time. Estimate how long activities will take.
	Adding 3 One-Digit Numbers	<ul style="list-style-type: none"> Add 3 one-digit numbers with a sum greater than 19.
	Add 3 One-Digit Numbers: Online Practice	<ul style="list-style-type: none"> Add three one-digit numbers.
34	Recognizing Shapes	<ul style="list-style-type: none"> Recognize and name solid shapes.
	The Shape of Things: Online Practice	<ul style="list-style-type: none"> Analyze everyday objects to determine the three-dimensional shape that represents them.
	Drawing Shapes	<ul style="list-style-type: none"> Draw geometric shapes from a written description.
	Logic Puzzles	<ul style="list-style-type: none"> Solve logic puzzles.
	Logic Puzzles: Online Practice	<ul style="list-style-type: none"> Solve logic puzzles.
	Add and Subtract 1 or 10	<ul style="list-style-type: none"> Match numbers that are 1 apart and those that are 10 apart.
	Add or Subtract: Online Practice	<ul style="list-style-type: none"> Add or subtract horizontally.
	Tile Designs	<ul style="list-style-type: none"> Create tile designs using pattern blocks.
35	Tell Time - 5 Minutes	<ul style="list-style-type: none"> Tell time by 5 minutes.
	Tell Time by 5 Minutes: Online Practice	<ul style="list-style-type: none"> Tell time by 5 minutes.
	Symmetry	<ul style="list-style-type: none"> Identify lines of symmetry in shapes.
	Creating Shapes	<ul style="list-style-type: none"> Create similar shapes by using pattern blocks.
	Partition Shapes	<ul style="list-style-type: none"> Partition shapes into halves and fourths.

Module	Lesson/Activity	Objectives
	Split the Shapes into Fractions: Online Practice	<ul style="list-style-type: none">Identify which shapes represent one-half and one-fourth.
	Patterns	<ul style="list-style-type: none">Learn to identify patterns with letters.
	Patterns: Online Practice	<ul style="list-style-type: none">Complete the patterns.
36	Review Telling Time	<ul style="list-style-type: none">Tell time to the half hour, 10 minutes, and 5 minutes.
	Review Telling Time: Online Practice	<ul style="list-style-type: none">Tell time to the half hour, 10 minutes, and 5 minutes.
	Review Shapes	<ul style="list-style-type: none">Identify and name shapes.
	Review Shapes: Online Practice	<ul style="list-style-type: none">Identify and name shapes.
	Review Addition and Subtraction	<ul style="list-style-type: none">Add and subtract one-digit and two-digit numbers.
	Review Addition and Subtraction: Online Practice	<ul style="list-style-type: none">Add and subtract one-digit and two-digit numbers.
	Review Money	<ul style="list-style-type: none">Count quarters, dimes, nickels, and pennies.
	Review Money: Online Practice	<ul style="list-style-type: none">Count quarters, dimes, nickels, and pennies.