



**Course Name** Grade 1 Math

Approved: August 26, 2024

**Unit Title** Unit 1 Relating Addition and Subtraction

### STAGE 1 | DESIRED RESULTS

Context and relevance for student learning

Standards	Transfer	
<p><b>CC.2.2: Algebraic Concepts</b></p> <p>CC.2.2.1.A.1 Represent and solve problems involving addition and subtraction within 20.</p> <p>CC.2.2.1.A.2 Understand and apply properties of operations and the relationship between addition and subtraction.</p>	<p><i>Students will be able to independently use their learning to...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Students will use their understanding of addition, subtraction, and related properties to solve real-life problems, demonstrating numerical fluency and efficient problem-solving in various contexts.</li> </ul>	
	Meaning	
	<p><b>UNDERSTANDINGS</b> <i>Students will understand that...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Ten is an important number.</li> <li><input type="checkbox"/> You can use what you know about counting to help you add and subtract.</li> <li><input type="checkbox"/> You can break numbers into parts. Knowing parts of numbers can help you add and subtract.</li> <li><input type="checkbox"/> Listening carefully, modeling, and making sense of a problem can help you decide whether to add or subtract.</li> </ul>	<p><b>ESSENTIAL QUESTIONS</b> <i>Students will keep considering...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Why is ten an important number?</li> <li><input type="checkbox"/> How can you use what you know about counting to help you add and subtract?</li> <li><input type="checkbox"/> How can you break numbers into parts?</li> <li><input type="checkbox"/> How can you make sense of a problem and decide when to add or subtract?</li> </ul>
	Acquisition	
	<i>Students will know...</i>	<i>Students will be skilled at...</i>

	<ul style="list-style-type: none"><li><input type="checkbox"/> I know properties of operations and the relationship between addition and subtraction.</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> I can represent and solve problems involving addition and subtraction within 20.</li><li><input type="checkbox"/> I can apply properties of operations and the relationship between addition and subtraction.</li><li><input type="checkbox"/> I can find number partners for ten</li><li><input type="checkbox"/> I can add and subtract within ten</li><li><input type="checkbox"/> I can use counting strategies to add and subtract</li><li><input type="checkbox"/> I can solve word problems to ten</li></ul>
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**Course Name** Grade 1 Math

**Unit Title** Unit 2 Addition and Subtraction Within 20

## STAGE 1 | DESIRED RESULTS

Context and relevance for student learning

Standards	Transfer	
<p><b>CC.2.1: Numbers and Operations</b>            CC.2.1.1.B.2            Use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</p> <p><b>CC.2.2: Algebraic Concepts</b>            CC.2.2.1.A.1            Represent and solve problems involving addition and subtraction within 20.</p> <p>CC.2.2.1.A.2            Understand and apply properties of operations and the relationship between addition and subtraction.</p>	<p><i>Students will be able to independently use their learning to...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Students will use their understanding of place value, addition, subtraction, and number relationships to solve real-life mathematical problems and make informed decisions efficiently.</li> </ul>	
	Meaning	
	<p><b>UNDERSTANDINGS</b>  <i>Students will understand that...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Ten is an important number.</li> <li><input type="checkbox"/> Teen numbers are made up of ten and some ones.</li> <li><input type="checkbox"/> You can break apart numbers and put them together in different ways to help you add and subtract.</li> <li><input type="checkbox"/> You can use what you know about adding and subtracting up to 10 to add and subtract up to 20.</li> </ul>	<p><b>ESSENTIAL QUESTIONS</b>  <i>Students will keep considering...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Why is ten an important number?</li> <li><input type="checkbox"/> How can we make a teen number with a ten and some ones?</li> <li><input type="checkbox"/> How can you break apart numbers and put them together in different ways to help you add and subtract?</li> <li><input type="checkbox"/> How can you use a ten to help add and subtract up to 20?</li> </ul>
	Acquisition	
	<p><i>Students will know...</i></p>	<p><i>Students will be skilled at...</i></p>

	<ul style="list-style-type: none"><li><input type="checkbox"/> I know properties of operations and the relationship between addition and subtraction.</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> I can use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</li><li><input type="checkbox"/> I can represent and solve problems involving addition and subtraction within 20.</li><li><input type="checkbox"/> I can apply properties of operations and the relationship between addition and subtraction.</li><li><input type="checkbox"/> I can identify teen numbers</li><li><input type="checkbox"/> I can add three numbers</li><li><input type="checkbox"/> I can make a ten to add</li><li><input type="checkbox"/> I can use a ten to subtract</li><li><input type="checkbox"/> I can solve doubles and near doubles</li></ul>
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**Course Name** Grade 1 Math

**Unit Title** Unit 3 Solving Word Problems and Making Comparisons

### STAGE 1 | DESIRED RESULTS

Context and relevance for student learning

Standards	Transfer	
<p><b>CC.2.2: Algebraic Concepts</b>            CC.2.2.1.A.1            Represent and solve problems involving addition and subtraction within 20.</p>	<p><i>Students will be able to independently use their learning to...</i></p> <ul style="list-style-type: none"> <li>❑ Students will use their understanding of addition, subtraction, data representation, and comparison to solve real-life problems, interpret and analyze information, and evaluate the accuracy of mathematical statements.</li> </ul>	
<p>CC.2.2.1.A.2            Understand and apply properties of operations and the relationship between addition and subtraction.</p> <p><b>CC.2.4: Measurement, Data and Probability</b>            CC.2.4.1.A.4            Represent and interpret data using tables/charts</p>	<p><b>UNDERSTANDINGS</b>  <i>Students will understand that...</i></p> <ul style="list-style-type: none"> <li>❑ You can use addition and subtraction relationships to find differences between quantities.</li> <li>❑ You can ask questions that can be answered by collecting, representing, and comparing data.</li> <li>❑ You can use objects, drawings, numbers, and symbols to show your thinking about word problems.</li> </ul>	<p><b>ESSENTIAL QUESTIONS</b>  <i>Students will keep considering...</i></p> <ul style="list-style-type: none"> <li>❑ How can you use the relationship between addition and subtraction to help you find differences between quantities?</li> <li>❑ How can you collect, represent and compare data to answer questions?</li> <li>❑ How can you use objects, drawing, numbers and symbols to prove your thinking and solve word problems?</li> </ul>

	<input type="checkbox"/> The equal sign is a symbol that describes the relationship between quantities.	<input type="checkbox"/> What symbol describes the relationship between quantities?
<b>Acquisition</b>		
	<p><i>Students will know...</i></p> <input type="checkbox"/> I know properties of operations and the relationship between addition and subtraction.	<p><i>Students will be skilled at...</i></p> <input type="checkbox"/> I can represent and solve problems involving addition and subtraction within 20. <input type="checkbox"/> I can apply properties of operations and the relationship between addition and subtraction. <input type="checkbox"/> I can represent and interpret data using tables/charts. <input type="checkbox"/> I can solve word problems to 20. <input type="checkbox"/> I can compare problems. <input type="checkbox"/> I can collect and compare data. <input type="checkbox"/> I can solve true and false equations.



**Course Name** Grade 1 Math

**Unit Title** Unit 4 Using Tens and Ones to Organize and Count

### STAGE 1 | DESIRED RESULTS

Context and relevance for student learning

Standards	Transfer	
<p><b>CC.2.1: Numbers and Operations</b></p> <p>CC.2.1.1.B.1 Extend the counting sequence to read and write numerals to represent objects.</p> <p>CC.2.1.1.B.2 Use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</p> <p>CC.2.1.1.B.3 Use place value concepts and properties of operations to add and subtract within 100.</p>	<p><i>Students will be able to independently use their learning to...</i></p> <ul style="list-style-type: none"> <li>❑ Students will use their understanding of counting, place value, and number comparison to accurately represent, organize, and manipulate numbers in various real-life contexts, enhancing their numerical proficiency and problem-solving skills.</li> </ul>	
	Meaning	
	<p><b>UNDERSTANDINGS</b> <i>Students will understand that...</i></p> <ul style="list-style-type: none"> <li>❑ Two-digit numbers are made of tens and ones. Knowing about tens and ones can help you read, write, and understand the value of a number.</li> <li>❑ You can use number patterns to help you find 10 more and 10 less than a number.</li> <li>❑ You can use what you know about tens and ones in</li> </ul>	<p><b>ESSENTIAL QUESTIONS</b> <i>Students will keep considering...</i></p> <ul style="list-style-type: none"> <li>❑ How can you use tens and ones to help you read, write and understand the value of a number?</li> <li>❑ How can you use number patterns to help you find 10 more and 10 less than a number?</li> <li>❑ How can you use tens and ones to compare the value of numbers.</li> </ul>

	two-digit numbers to compare their values.	
<b>Acquisition</b>		
	<p><i>Students will know...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> I know how to organize and count tens and ones.</li> </ul>	<p><i>Students will be skilled at...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> I can extend the counting sequence to read and write numerals to represent objects.</li> <li><input type="checkbox"/> I can use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</li> <li><input type="checkbox"/> I can use place value concepts and properties of operations to add and subtract within 100.</li> <li><input type="checkbox"/> I can count and organize tens and ones</li> <li><input type="checkbox"/> I can count and organize numbers to 120</li> <li><input type="checkbox"/> I can compare numbers</li> </ul>





**Course Name** Grade 1 Math

**Unit Title** Unit 5 Operations with Tens and Ones

### STAGE 1 | DESIRED RESULTS

Context and relevance for student learning

Standards	Transfer	
<p><b>CC.2.1: Numbers and Operations</b>            CC.2.1.1.B.3            Use place value concepts and properties of operations to add and subtract within 100.</p>	<p><i>Students will be able to independently use their learning to...</i></p> <ul style="list-style-type: none"> <li>❑ Students will use their understanding of place value and properties of operations to accurately and efficiently add and subtract, applying these skills to solve real-life problems and make informed decisions involving numerical calculations.</li> </ul>	
	Meaning	
	<p><b>UNDERSTANDINGS</b>  <i>Students will understand that...</i></p> <ul style="list-style-type: none"> <li>❑ You can use what you know about tens and ones to add or subtract tens from any number.</li> <li>❑ When adding two-digit numbers, you can add tens to tens and ones to ones.</li> <li>❑ Sometimes you need to cross a ten when you add. You can break apart and put together numbers in ways that are helpful to you.</li> </ul>	<p><b>ESSENTIAL QUESTIONS</b>  <i>Students will keep considering...</i></p> <ul style="list-style-type: none"> <li>❑ How can you use tens and ones to add and subtract from any number?</li> <li>❑ How can you add tens to tens and ones to ones?</li> <li>❑ How can you break apart and put together numbers to solve two-digit addition problems?</li> </ul>

	<b>Acquisition</b>	
	<p><i>Students will know...</i></p> <ul style="list-style-type: none"><li><input type="checkbox"/> I know operations with tens and ones.</li></ul>	<p><i>Students will be skilled at...</i></p> <ul style="list-style-type: none"><li><input type="checkbox"/> I can use place value concepts and properties of operations to add and subtract within 100.</li><li><input type="checkbox"/> I can add and subtract tens</li><li><input type="checkbox"/> I can add with two-digit numbers</li><li><input type="checkbox"/> I can add two-digit and one-digit numbers</li><li><input type="checkbox"/> I can add two-digit number</li></ul>



**Course Name** Grade 1 Math

**Unit Title** Unit 6 Geometry and Measurement

## STAGE 1 | DESIRED RESULTS

Context and relevance for student learning

Standards	Transfer	
<p><b>CC.2.3: Geometry</b>            CC.2.3.1.A.1            Compose and distinguish between two- and three-dimensional shapes based on their attributes.</p>	<p><i>Students will be able to independently use their learning to...</i></p> <ul style="list-style-type: none"> <li>❑ Students will use their understanding of shapes, fractions, measurement, time, and money to solve real-life problems, accurately compare and order lengths, partition shapes, tell time, and handle money transactions effectively.</li> </ul>	
<p>CC.2.3.1.A.2            Use the understanding of fractions to partition shapes into halves and quarters.</p> <p><b>CC.2.4: Measurement, Data and Probability</b>            CC.2.4.1.A.1            Order lengths and measure them both indirectly and by repeating length units.</p>	<p><b>MEANING</b>  <i>Students will understand that...</i></p> <ul style="list-style-type: none"> <li>❑ You can describe how long something is by comparing it to other objects.</li> <li>❑ You can describe the time of day by reading clocks.</li> <li>❑ You can describe shapes, compose compound shapes, and see smaller shapes within larger shapes.</li> <li>❑ When you divide a shape into two equal parts, the parts are called halves. When you divide</li> </ul>	<p><b>MEANING</b>  <i>Students will keep considering...</i></p> <ul style="list-style-type: none"> <li>❑ What vocabulary can you use to compare the length of objects?</li> <li>❑ How can you read a clock to tell time to the hour and half hour?</li> <li>❑ How can you describe shapes, compose compound shapes, and see smaller shapes within larger shapes?</li> </ul>

<p>CC.2.4.1.A.2 Tell and write time to the nearest half hour using both analog and digital clocks.</p>	<p>a shape into four equal parts, the parts are called fourths or quarters.</p>	<p><input type="checkbox"/> How can you divide a shape into two equal halves/four quarters?</p>
<b>Acquisition</b>		
	<p><i>Students will know...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> I understand geometry and measurement.</li> </ul>	<p><i>Students will be skilled at...</i></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> I can compose and distinguish between two- and three-dimensional shapes based on their attributes.</li> <li><input type="checkbox"/> I can use the understanding of fractions to partition shapes into halves and quarters.</li> <li><input type="checkbox"/> I can order lengths and measure them both indirectly and by repeating length units.</li> <li><input type="checkbox"/> I can tell and write time to the nearest half hour using both analog and digital clocks.</li> <li><input type="checkbox"/> I can identify shapes</li> <li><input type="checkbox"/> I can break shapes into equal parts</li> <li><input type="checkbox"/> I can tell time to the hour and half hour</li> <li><input type="checkbox"/> I can compare and order lengths</li> <li><input type="checkbox"/> I can measure length</li> <li><input type="checkbox"/> I can identify and count money</li> </ul>