

# Mathematics – First Grade

Marking Period One	Operations and Algebraic Thinking	Number and Operations in Base Ten	Measurement and Data	Geometry
<b>CCSS Cluster Statement</b>	Represent and solve problems involving addition and subtraction.	Extend the counting sequence.	Measure lengths indirectly and by iterating length units.	Reason with space and their attributes.
<b>CCSS Standard</b>	1. Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem. <sup>2</sup>	1. Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.		
<b>Learning Target</b>	I can model addition using objects and drawings with numbers that equal 10.	I can count to 100. I can write my numbers to 100. I can read any number to 100. I can label a set of objects up to 100 with a written numeral.		
<b>Mathematical Practices</b>	1. Make sense of problems and persevere in solving them. 2. Reason abstractly and quantitatively. 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics. 5. Use appropriate tools strategically. 8. Look for and express regularity in repeated reasoning.	2. Reason abstractly and quantitatively. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.		
<b>MP Learning Targets</b>	I can use picture to help solve the problem. I can tell why my answer makes sense for a word problem. I can write an equation for a word problem. I can show and tell how to solve an addition/subtraction problem. I can identify the important parts of a word problem. I can use manipulatives to solve problems.	I can find patterns in math. I can build on a pattern. I can notice patterns in math. I can build on a pattern. I can represent numbers through symbols or pictures.		
<b>CCSS Cluster Statement</b>	Understand and apply properties of operations and the relationship between addition and subtraction.	Understand place value.	Tell and write time.	
<b>CCSS Standard</b>				
<b>Learning Target</b>				

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<b>Mathematical Practices</b>				
<b>MP Learning Targets</b>				
<b>CCSS Cluster Statement</b>	Add and Subtract within 20.	Use place value understanding and properties of operations to add and subtract.	Represent and interpret data.	
<b>CCSS Standard</b>	5. Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).			
<b>Learning Target</b>	I can add by counting all.			
<b>Mathematical Practices</b>	7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.			
<b>MP Learning Targets</b>	I can use patterns to solve problems. I can find patterns in math. I can use patterns to find shortcuts to solve problems.			
<b>CCSS Standard</b>	6. Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., $8 + 6 = 8 + 2 + 4 = 10 + 4 = 14$ ); decomposing a number leading to a ten (e.g., $13 - 4 = 13 - 3 - 1 = 10 - 1 = 9$ ); using the relationship between addition and subtraction (e.g., knowing that $8 + 4 = 12$ , one knows $12 - 8 = 4$ ); and creating equivalent but easier or known sums (e.g., adding $6 + 7$ by creating the known equivalent $6 + 6 + 1 = 12 + 1 = 13$ ).			
<b>Learning Target</b>	I can add within 10 with ease.			
<b>Mathematical Practices</b>	2. Reason abstractly and quantitatively. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.			
<b>MP Learning Targets</b>	I can explain taking apart and putting together. I can use patterns to solve problems. I can build on a pattern. I can use repeating addition to solve problems. I can use repeating subtraction to solve problems. I can check if the steps in a problem make sense.			
<b>CCSS Cluster Statement</b>	Work with addition and subtraction equations.			
<b>CCSS Standard</b>				
<b>Learning Target</b>				
<b>Mathematical Practices</b>				

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MP Learning Targets				
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