



Marietta City Schools District Topic Planner

First Grade

Topic Title	<i>Topic 3: Addition Facts to 20: Use Strategies</i>	Unit duration	<i>11 days</i>
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Big Idea: Operations and Algebraic Thinking - Adding within 20

[Georgia Standards of Excellence](#)

Represent and solve problems involving addition and subtraction.

■ **1.OA.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.

Understand and apply properties of operations and the relationship between addition and subtraction.

■ **1.OA.3** – Apply properties of operations as strategies to add and subtract.

Examples: If $8 + 3 = 11$ is known, then $3 + 8 = 11$ is also known. (Commutative property of addition.) To add $2 + 6 + 4$, the second two numbers can be added to make a ten, so $2 + 6 + 4 = 2 + 10 = 12$. (Associative property of addition.)

Add and subtract within 20.

■ **1.OA.5** – Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).

■ **1.OA.6** – Add and subtract within 20.

- a. 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. Fluently add and subtract within 10.

■ Major work of the grade □ Supporting standard ● Additional standard

Informational Links

[GSE Unit 3 Frameworks: Operations and Algebraic Thinking](#)

[MCS Math Instructional Framework](#)

[MCS Math Instructional Framework with Resource Guidance](#)

About the Math

[GaDOE:Grade 1 Standards Overview Document](#)

[GaDOE: What Do Standards Look Like in First Grade?](#)

Topic 3: Learning Resources			
1.OA.1, 1.OA.3, 1.OA.5, 1.OA.6			
Lesson Number/Task/Module	Lesson	Lesson Description	Standards Addressed
Savvas 3-1	Count On to Add Savvas pp.109-112	Students solve an addition problem by using a number line to count on.	1.OA.3 1.OA.5
Supplemental 3-1	Adding Counters Savvas p.112A	Students solve an addition problem by using a number line to count on.	1.OA.3 1.OA.5
Savvas 3-2	Count On to Add Using an Open Number Line Savvas pp.113-116	Students solve addition problems by counting on an open number line.	1.OA.1 1.OA.5
Savvas 3-3	Doubles Savvas pp.117-120	Students recognize and solve doubles addition facts through 20.	1.OA.1 1.OA.5 1.OA.6
Supplemental 3-3	Two of Everything	Students place marbles into a magic pot where they are then doubled. Students recognize and solve doubles addition facts through 20.	1.OA.1 1.OA.5 1.OA.6
Savvas 3-4	Doubles Plus Savvas pp.121-124	Students recognize and solve near doubles addition facts.	1.OA.1 1.OA.5 1.OA.6

Supplemental 3-4	Near-Doubles Trains Mastering Basic Math Facts Add/Sub p.133	Students recognize and solve near doubles addition facts using linking cubes.	1.OA.1 1.OA.5 1.OA.6
Supplemental 3-4	Match 'Em Up Mastering Basic Math Facts Add/Sub p.135	Students work with a partner to match up near doubles fact cards with doubles + 1 cards.	1.OA.1 1.OA.5 1.OA.6
Savvas 3-5	Make Ten to Add Savvas pp.125-128	Students solve addition facts by breaking apart one addend in order to make a 10 and make adding easier.	1.OA.6
Supplemental 3-5	Shake and Spill MIP Module 7 pp.150-151	Students find many different number sentences to make 10. Making 10 fluency is foundational for making 10 and add strategy in Topic 3, Lesson 7.	1.OA.6
Supplemental 3-5	Fill Your Frames First MIP Module 7 p.155	Students solve addition facts using number cards and ten frames to find two numbers with the sum of 10.	1.OA.6
Savvas 3-7	Explain Addition Strategies Savvas pp.133-136	Students choose and use strategies that they have used throughout the topic.	1.OA.6
Supplemental 3-7	Spinning Ten MIP Module 7 p.156	Students find many different number sentences to make 10. Making 10 fluency is foundational for making 10 and add strategy in Topic 3, Lesson 7.	1.OA.6
Supplemental 3-7	Fill Ten Mastering Basic Math Facts Add/Sub p.105	Students build fluency with making 10.	1.OA.6
Savvas 3-8	Solve Addition Word Problems with Facts to 20 Savvas pp.137-140	Students solve addition word problems with a focus on writing equations in order to solve comparison problems in which the greater amount is unknown.	1.OA.1 1.OA.6

Additional Resources		
1.OA.1, 1.OA.3, 1.OA.5, 1.OA.6		
Standards Addressed	Lesson	Lesson Description
1.OA.6	GaDOE Practice Task - Domino Fact Family	Students will construct fact families using dominoes.
1.OA.2, 1.OA.5	GaDOE Performance Task - Wheel Shop	Students will find combinations of numbers for a given sum.

Assessment Resources			
1.OA.1, 1.OA.3, 1.OA.5, 1.OA.6			
Type	Location	Assessment Description	Standards Addressed
Formative	MIP Module 6 p. 135	Students solve several addition problems involving doubles, and show their work with a picture and equation.	1.OA.1 1.OA.5 1.OA.6
Formative	MIP Module 7 p. 154	Students will select pairs of numbers that make ten.	1.OA.3 1.OA.5 1.OA.6
Summative	Savvas Topic Assessment TE pp. 151-152	Students demonstrate strategies to add within 20. Digital or print form available through Savvas platform. Use MDIS to support student needs through data.	1.OA.1 1.OA.3 1.OA.4 1.OA.5 1.OA.6
Summative	Savvas Topic Performance Task TE pp. 155-156	Students use data in a table to solve addition sentences to 20.	1.OA.1 1.OA.3 1.OA.4 1.OA.5 1.OA.6