



Marietta City Schools District Topic Planner

First Grade

Topic Title

Topic 1: Understand Addition and Subtraction

Unit duration

14 days

Big Idea: Operations and Algebraic Thinking - Addition and Subtraction

[Georgia Standards of Excellence](#)

- **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.
- **1.OA.4** – Understand subtraction as an unknown-addend problem. For example, subtract $10 - 8$ by finding the number that makes 10 when added to 8.
- **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 1: Learning Resources			
1.OA.1, 1.OA.4, 1.OA.6			
Lesson Number/Task/Module	Lesson	Lesson Description	Standards Addressed
Savvas 1-1	Add To Savvas pp.5-8	Students solve problems involving situations of adding one part to another part.	1.OA.1
Supplemental 1-1	Link-Cube Addition	Students use snap cubes as they work with a partner to build an understanding of combining two groups. Students will write the equations.	1.OA.1
Savvas 1-2	Put Together Savvas pp.8-12	Students solve addition problems involving situations of putting two parts together.	1.OA.1
Supplemental 1-2	Putting Together MIP Module 1 p.17	Students use two-sided counters and a part-part-whole mat to model put together problems. Modify- Use snap cubes to combine to make connections to put together strategy. Start with equations before word problems.	1.OA.1
Savvas 1-3	Both Addends Unknown Savvas pp.12-16	Students solve addition word problems by breaking apart a total number of objects.	1.OA.1
Savvas 1-4	Take From Savvas pp.17-20	Students solve subtraction problems involving taking from a group.	1.OA.1 1.OA.6
Supplemental 1-4	The Disappearing Train (Activity Description Only)	Students use a die and cubes to create an initial snap cube train. They roll again to find how many to remove, then take away snap cubes and record.	1.OA.1 1.OA.6
Savvas 1-5	Compare Situations Savvas pp.21-24	Students solve problems that involve comparing to find how many more objects are in one group than another group.	1.OA.1
Supplemental 1-5	Comparing Towers MIP Module 2 pp.51-52	Students use connecting cubes to build towers to model and compare problems.	1.OA.1

Savvas 1-6	More Compare Situations Savvas pp.25-28	Students solve problems that involve comparing to find how many fewer objects are in one group than another group.	1.OA.1
Supplemental 1-6	Maria's Marbles	Students are offered three types of comparison problems to compare two groups to find out how many fewer objects are in one group than the other.	1.OA.1
Savvas 1-7	Change Unknown Savvas pp.29-32	Students solve addition problems by finding a missing addend.	1.OA.1 1.OA.4
Savvas 1-8	Practice Adding and Subtracting Savvas pp.33-36	Students solve problems involving putting together or taking apart.	1.OA.1 1.OA.4
Supplemental 1-8	Act It Out- Show It-Draw It MIP Module 1 pp.22-23	Students are offered multiple opportunities to act, show, and draw what is happening in addition problems.	1.OA.1 1.OA.4

Additional Resources

1.OA.1, 1.OA.4, 1.OA.6

Standards Addressed	Lesson	Lesson Description
1.OA.1	GaDOE Constructing Task - Result Unknown Problem Solving	Students will solve real word math problems using addition and subtraction.
1.OA.6	GaDOE Practice Task - Domino Fact Family	Students will construct fact families using dominoes.

Assessment Resources

1.OA.1, 1.OA.3, 1.OA.4, 1.OA.6

Type	Location	Assessment Description	Standards Addressed
Formative	MCS Mini	Students will solve addition and subtraction word problems.	1.OA.1
Formative	MIP Module 3 p. 74	Students express when they add 1, you get the next counting number.	1.OA.1
Formative		Students name several ways to combine number pairs on the target to make 10.	1.OA.1

	MIP Module 7 p.152		1.OA.3 1.OA.6
Summative	Savvas Topic Assessment TE pp. 47-50	Students demonstrate ways they think about addition and subtraction through solving word problems that call for them to use both operations. Digital and print forms are available through the Savvas platform. Use MDIS to support student needs through data.	1.OA.1 1.OA.4 1.OA.6
Summative	Savvas Topic Performance Task TE pp. 51-52	Students demonstrate their understanding of addition and subtraction through a performance task about an ice skater's winning ribbons.	1.OA.1 1.OA.4 1.OA.6