



Marietta City Schools District Topic Planner

Kindergarten

Topic Title

Topic 7: Understand Subtraction

Unit duration

11 days

Big Idea: Operations and Algebraic Thinking - Investigating Subtraction

[Georgia Standards of Excellence](#)

■ **K.OA.1** - Represent addition and subtraction with objects, fingers, mental images, drawings², sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.

Drawings need not show details, but should show the mathematics of the problem.

■ **K.OA.2** - Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.

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

Informational Links

[GSE Unit 5 Frameworks: investigating Addition and Subtraction](#)

[MCS Math Instructional Framework](#)

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

About the Math

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

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

Topic 7: Learning Resources			
K.OA.1, K.OA.2			
Lesson Number/Task/Module	Lesson	Lesson Description	Standards Addressed
Savvas 7-1	Explore Subtraction Savvas pp. 249-252	Students begin exploring various ways to represent subtraction.	K.OA.1
Supplemental 7-1	Acting Out Separating Module 8 pp. 194-195	Students explore taking apart by <i>acting out</i> problems.	K.OA.1 K.OA.2
Savvas 7-2	Represent Subtraction as Taking Apart Savvas pp. 253-256	Students will start using subtraction sentences to show that subtraction is taking apart/taking away.	K.OA.1 K.OA.2
Supplemental 7-2	Act Out Taking From Module 8 pp. 185-186	Students learn about <i>taking from</i> by acting out problems.	K.OA.1 K.OA.2
Savvas 7-3	Represent Subtraction as Taking From Savvas pp. 257-260	Students continue exploring subtraction through word problems.	K.OA.1 K.OA.2
Supplemental 7-3	Taking From with Bears Module 8 pp. 186-187	Students use manipulatives to act out <i>taking from</i> subtraction problems.	K.OA.1 K.OA.2
Savvas 7-4	Represent and Explain Subtraction with Equations Savvas pp. 261-264	Students begin representing subtraction through writing equations.	K.OA.1 K.OA.2
Supplemental 7-4	Writing Equations for Subtraction Module 8 pp. 200-201	Students solve problems using manipulatives or drawing a picture and connect it to writing an equation.	K.OA.1 K.OA.2
Savvas 7-5	Solve Subtraction Word Problems Savvas pp. 265-268	Students solve subtraction word problems through drawing pictures and writing equations.	K.OA.1 K.OA.2

Savvas 7-6	Use Patterns to Develop Fluency in Subtraction Savvas pp. 269-272	Students will continue to work on subtraction as they solve problems to build fluency.	K.OA.5
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Additional Resources		
K.OA.1, K.OA.3, K.OA.4, K.OA.5		
Standards Addressed	Lesson	Lesson Description
K.OA.1 K.OA.3 K.OA.4 K.OA.5	GA DOE Constructing Task - Shake and Spill Subtraction (5 or 10)	Students will write the total number of counters they begin with and then subtract the number of yellow counters that are spilled.
K.OA.1 K.OA.4	GA DOE Practice Task - Tug-o-War	Students practice adding and subtracting to 10.

Assessment Resources			
K.OA.1, K. OA.2			
Type	Location	Assessment Description	Standards Addressed
Formative	MIP Module 8 p. 188	The teacher will pose a subtraction problem for the students to solve with manipulatives, and record observational notes of their work and responses.	K.OA.1 K.OA.2
Formative	MIP Module 8 p. 191	Students will draw a picture to solve a subtraction problem.	K.OA.1 K.OA.2
Formative	MIP Module 8 p. 199	Students will show two possible solutions to a subtraction problem.	K.OA.1 K.OA.2
Summative	Savvas Topic Assessment TE pp. 283-286	Students will write numbers to tell how many are left, then write an equation for a story. They will next find the answer and write the numbers to tell how many are left. Digital or print form available through Savvas platform. Use MDIS to support student needs through data.	K.OA.1 K.OA.2
Summative	Savvas Topic Performance Task TE pp. 287-288	Students will write a subtraction sentence to tell how many items are left.	K.OA.1 K.OA.2