



Marietta City Schools District Topic Planner

Kindergarten

Topic Title	<i>Topic 8: More Addition and Subtraction</i>	Unit duration	<i>11 days</i>
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Big Idea: Operations and Algebraic Thinking - Investigating Addition and 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.

■ **K.OA.3** - Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation. (drawings need not include an equation). (OA.3 will be explicitly taught within Topic 8.)

■ **K.OA.4** - For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.

■ **K.OA.5**— Fluently add and subtract within 5. (OA.5 will be explicitly taught within Topic 8.)

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

Informational Links

[GSE Unit 6 Frameworks: Further Investigation of 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 8 : Learning Resources

K.OA.1, K.OA.2, K.OA.3, K.OA.4, K.OA.5

Lesson Number/Task/Module	Lesson	Lesson Description	Standards Addressed
Savvas 8-1	Decompose 5 to Solve Problems Savvas pp. 293-296	Students decompose 5 to solve word problems.	K.OA.2 K.OA.3
Supplemental 8-1	Decomposing Numbers to Solve Problems MIP Module 6 pp.144-145	Students use work mats with logs and cutouts of turtles to model separating a group of turtles into two group (Could use other manipulatives).	K.OA.2 K.OA.3
Savvas 8-2	Related Facts Savvas pp. 297-300	Students solve related addition and subtraction equations.	K.OA.1 K.OA.5
Supplemental 8-2	Separating with Connecting Cubes MIP Module 8 pp. 195-197	Students explore separating and putting back together by building snap cube caterpillars to related facts.	K.OA.1 K.OA.5
Savvas 8-4	Fluently Add and Subtract to 5 Savvas pp. 305-308	Write addition and subtraction equations within 5 and remember them	K.OA.1 K.OA.5
Supplemental 8-4	Dice Addition 2	Students roll two dice and add numbers to make an equation.	K.OA.1 K.OA.5
Savvas 8-5	Decompose 6 and 7 to Solve Problems Savvas pp. 309-312	Students work on decomposing numbers focusing on 6 and 7 to solve word problems.	K.OA.2 K.OA.3
Supplemental 8-5	Modeling Using Part-Part-Whole Mats MIP Module 6 pp. 126-127	Students will use part-part-whole mats to visualize decompositions.	K.OA.2 K.OA.3
Savvas 8-6	Decompose 8 and 9 to Solve Problems Savvas pp. 313-316	Students work on decomposing numbers focusing on 8 and 9 to solve word problems.	K.OA.2 K.OA.3
Supplemental 8-6	Capture and Count MIP Module 6 p. 133	Students use a cup and cubes to explore ways to decompose a number.	K.OA.2 K.OA.3

Savvas 8-7	Ways to Make 10 Savvas pp. 317-320	Students work on discovering different combinations to make 10.	K.OA.4
Supplemental 8-7	Using Ten Frames to Make 10 MIP Module 6 p. 138	Students use tens frames to visualize the number given and then find the number needed to make 10.	K.OA.4
Savvas 8-8	Decompose 10 to Solve Problems Savvas pp. 321-324	Students work on decomposing numbers within 10 to solve word problems.	K.OA.1 K.OA.2 K.OA.3
Supplemental 8-8	Ways to Make 10 MIP Module 6 pp. 139-140	Students use tens frames to visualize the number given and then find the number that is needed to make 10.	K.OA.1 K.OA.2 K.OA.3
Savvas 8-9	Find the Missing Part of 10 Savvas pp.325-328	Students build an understanding that for any number 1-9, there is another number to make 10.	K.OA.3 K.OA.4
Supplemental 8-9	Bead Counter Tens MIP Module 6 p. 142	Students use bead counters to find the parts that make 10.	K.OA.3 K.OA.4
Savvas 8-10	Continue to Find the Missing Part of 10 Savvas pp.329-332	Students build an understanding that for any number 1-9, there is another number to make 10.	K.OA.3 K.OA.4
Supplemental 8-10	Make-10 Go Fish MIP Module 6 p. 143	Students play Make-10 Go Fish using two sets of ten frame cards for numbers 0-10. The tens frame cards have pictures to represent 0-10.	K.OA.3 K.OA.4

Additional Resources

K.OA.1, K.OA.2, K.OA.3, K.OA.4, K.OA.5

Standards Addressed	Lesson	Lesson Description
K.OA.1, 2, 3, 4, 5	GA DOE Intervention Task - Adding and Subtracting with Counters	Solve addition problems to 20 by joining sets and counting all the objects.
K.OA.1, 2, 3, 4, 5	GA DOE Intervention Task - Turtles 5 and...	Solve addition problems to 20 by joining sets and counting all the objects

Assessment Resources			
K.OA.1, K.OA.2, K.OA.3, K.OA.4, K.OA.5			
Type	Location	Assessment Description	Standards Addressed
Formative	MCS Mini	Students will solve addition and subtraction word problems and number sentences.	K.OA.1
Formative	MCS Mini	Students will solve addition and subtraction word problems and number sentences.	K.OA.5
Formative	MIP Module 6 p. 140	Students will use a ten frame to demonstrate how to make ten with a given number.	K.OA.4
Summative	Savvas Topic Assessment TE pp. 339-342	Students will write equations to show the parts that make ten and determine which equations solve a story problem. Digital or print form available through Savvas platform. Use MDIS to support student needs through data.	K.OA.1 K.OA.3 K.OA.4
Summative	Savvas Topic Performance Task TE pp. 343-344	Students will write different equations to describe the items in a store.	K.OA.1 K.OA.3 K.OA.4