



Marietta City Schools District Topic Planner

Second Grade

Topic Title	<i>Topic 7: More Solving Problems Involving Addition and Subtraction</i>	Unit duration	<i>11 days</i>
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Big Idea: Numbers Base Ten - Problem Solving with Addition and Subtraction

[Georgia Standards of Excellence](#)

■ **2.NBT.7** Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method.

■ **2.NBT.8** Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.

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

Informational Links

[GSE Unit 2 Frameworks: Becoming Fluent with Addition and Subtraction](#)

[GSE Unit 4 Frameworks: Applying Base Ten Understanding](#)

[MCS Math Instructional Framework](#)

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

About the Math

[GaDOE: Grade 2 Standards Overview Document](#)

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

Topic 7: Learning Resources

2.NBT.7, 2.NBT.8

Lesson Number/Task/Module	Lesson	Lesson Description	Standards Addressed
Savvas 7-1	Representing Addition and Subtraction Problems Savvas pp. 281 - 284	Students are asked to critique another's thinking about how to represent and solve a word problem using an equation.	2.NBT.7 2.NBT.8 2.NBT.9
Supplemental 7-1	Introduction to Bar Models MIP Module 1 pp. 28-31	Students extend their understanding of problem solving and provide meaningful practice.	2.NBT.7 2.NBT.8 2.NBT.9
Savvas 7-2	Mixed Practice: Solve Addition and Subtraction Problems Savvas pp.285 - 288	Students solve a comparison word problem in any way they choose.	2.NBT.7 2.NBT.8 2.NBT.9
Supplemental 7-2	Revisiting Bar Models for Addition and Subtraction Situations MIP Module 1 pp. 17- 25	Students construct bar models to show various addition and subtraction situations.	2.NBT.7 2.NBT.8 2.NBT.9
Savvas 7-3	Continue: Practice Addition and Subtraction Problems Savvas pp. 289 - 292	Students solve a comparison word problem any way they choose.	2.NBT.7 2.NBT.8 2.NBT.9
Savvas 7-4	Solve Two-Step Problems Savvas pp. 293 - 296	Students identify the steps needed to solve a two-step word problem with 1-digit and 2-digit numbers.	2.NBT.7 2.NBT.8 2.NBT.9
Supplemental 7-4	Representing Two-Step Problems MIP Module 1 pp. 33-35	Students identify the steps needed to solve a two-step word problem with 1-digit and 2-digit numbers. Students use models and an organizer to show how they solve a two-step problem.	2.NBT.7 2.NBT.8 2.NBT.9
Savvas 7-5	Continue to Solve Two-Step Problems Savvas pp. 297 - 300	Students determine the steps needed to solve two-step word problems.	2.NBT.7 2.NBT.8 2.NBT.9

Savvas 7-6	Make True Equations Savvas pp. 301 - 304	Students find the missing numbers that make the equation true and explain strategies they used, such as count on, to find it.	2.NBT.7 2.NBT.8 2.NBT.9
Supplemental 7-6	Balancing Equations with the Pan Balance Math Task	Students use a tool to strengthen understanding and computation of numerical expressions and equality.	2.NBT.7 2.NBT.8 2.NBT.9

Additional Resources

2.NBT.7, 2.NBT.8

Standards Addressed	Lesson	Lesson Description
2.NBT.7	Story Problems Ga DOE Constructing Task	Students solve and verify story problems using various strategies.
2.NBT.8	Mental Math Ga DOE Constructing Task	Students develop efficient ways to group numbers and or develop compensation strategies for mental addition and subtraction; and practice explaining strategies.
2.NBT.8	Take 100 Ga DOE Practice Task	Students develop mental math strategies in a game adding 2-digit numbers to 100.

Assessment Resources

2.NBT.7, 2.NBT.8

Type	Location	Assessment Description	Standards Addressed
Formative	MIP Module 1 pp. 20-21	Students solve an addition word problem using a bar model.	2.NBT.7
Formative	MIP Module 1 p. 27	Students choose a model to solve a word problem.	2.NBT.7
Summative	Savvas Topic Assessment TE pp. 319-320	Students solve word problems that use adding or subtracting. Digital or print form available through Savvas platform.	2.NBT.7 2.NBT.8
Summative	Savvas Topic Performance Task TE pp. 323-324	Students use a real-life scenario involving a school fair to add and subtract.	2.NBT.7 2.NBT.8