



Marietta City Schools District Topic Planner

Fourth Grade

Topic Title	<i>Topic 2: Fluently Add and Subtract Multi-Digit Whole Numbers</i>	Unit duration	<i>10 days</i>
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Big Idea: Numbers and Operations - Addition and Subtraction

[Georgia Standards of Excellence](#)

Generalize place value understanding and properties of operations to perform multi-digit arithmetic.

■ **4.NBT.2** Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.

Use place value understanding and properties of operations to perform multi-digit arithmetic.

■ **4.NBT.3** Use place value understanding to round multi-digit whole numbers to any place.

■ **4.NBT.4** Fluently add and subtract multi-digit whole numbers using the standard algorithm.

■ **4.OA.3** Solve multistep word problems with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a symbol or letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

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

Informational Links

[GSE Unit 1 Linked Frameworks: Whole Numbers, Place Value, and Rounding](#)

[MCS Math Instructional Framework](#)

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

About the Math

[GaDOE:Grade 4 Standards Overview Document](#)

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

Topic 2: Learning Resources

4.NBT.2, 4.NBT.3, 4.NBT.4

Lesson Number/Task/Module	Lesson	Lesson Description	Standards Addressed
Savvas 2-2	Estimating Sums and Differences Savvas pp. 41-44	Students will round greater numbers to estimate sums and differences. (Review rounding and introduce addition- could combine with 2-3)	4.NBT.3 4.NBT.4
Supplemental 2-2	Estimation as a Check	Students find estimated sums to equations.	4.NBT.3 4.NBT.4
Supplemental 2-2	Reasonable Answers MIP Module 4 p. 83	Students find estimated sums to equations.	4.NBT.3 4.NBT.4
Savvas 2-3	Adding Whole Numbers Savvas pp. 45-48	Students will add 3 digit numbers using place value concepts and the standard algorithm.	4.NBT.2 4.NBT.3 4.NBT.4
Supplemental 2-3	Connecting Addition Strategies to the Standard Algorithm MIP Module 4 pp. 73-76	Students connect the strategies they have been using in addition and apply this knowledge to finding sums.	4.NBT.2 4.NBT.3 4.NBT.4
Savvas 2-4	Adding Greater Numbers Savvas pp. 49-52	Students will add numbers to one million with and without regrouping using the standard algorithm.	4.NBT.4
Supplemental 2-4	Adding Larger Numbers MIP Module 4	Students extend their understanding of the standard algorithm to add larger numbers. Regrouping required.	4.NBT.4

	pp. 77-78		
Savvas 2-5	Subtract Whole Numbers Savvas pp.53-56	Students use place value and the standard algorithm to subtract whole numbers	4.NBT.2 4.NBT.4
Supplemental 2-5	Making Sense of the Algorithm	This task allows students to make sense of the standard algorithm for subtraction.	4.NBT.4
Supplemental 2-5	Exploring the Standard Algorithm for Subtraction MIP Module 4 pp.78-79	This task allows students to make sense of the standard algorithm for subtraction.	4.NBT.4
Savvas 2-6	Subtract Greater Numbers Savvas pp.57-60	Students use place value and an algorithm to subtract whole numbers	4.NBT.4
Supplemental 2-6	To Regroup or Not to Regroup	Students determine when to regroup and when to not regroup using 3-digit numbers.	4.NBT.4
Savvas 2-7	Subtract Across Zeros Savvas pp.61-64	Students use number sense and regrouping to subtract across zeros.	4.NBT.4
Supplemental 2-7	Subtracting with Zeros MIP Module 4 pp. 81-82	Students explore the standard algorithm for subtraction when regrouping across zeros.	4.NBT.4

Additional Resources

4.NBT.2, 4.NBT.3, 4.NBT.4

Standards Addressed	Lesson	Lesson Description
4.NBT.4	3-Act Task- NFL Salaries	Students compare salaries of football players to discuss why certain players are paid a particular amount of money.

Assessment Resources**4.NBT.2, 4.NBT.3, 4.NBT.4**

Type	Location	Assessment Description	Standards Addressed
Formative	MCS Mini	Students select the numbers missing from expanded form and compare two numbers.	4.NBT.2
Formative	MCS Mini	Students use a number line to round numbers in a range.	4.NBT.3
Formative	MIP Module 4 p. 78	Students solve an addition problem using the standard algorithm.	4.NBT.4
Formative	MIP Module 4 p. 81	Students solve a subtraction problem using the standard algorithm.	4.NBT.4
Formative	MIP Module 4 p. 84	Students solve a problem requiring them to subtract across zeros.	4.NBT.4
Summative	Savvas Topic Assessment TE pp. 73-74	Students solve addition and subtraction problems. Digital and print form available through Savvas platform.	4.NBT.2 4.NBT.3 4.NBT.4
Summative	Savvas Topic Performance Task TE pp. 75-76	Students use a real-life scenario involving coins in vending machines to solve addition and subtraction problems.	4.NBT.2 4.NBT.3 4.NBT.4