



Marietta City Schools District Topic Planner

Fifth Grade

Topic Title	<i>Topic 6: Use Models and Strategies to Divide Decimals</i>	Unit duration	<i>10 days</i>
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Big Idea: Number Base Ten - Dividing with Decimals

[Georgia Standards of Excellence](#)

■ **5.NBT.2** Explain patterns in the number of zeros of the product when multiplying a number by powers of 10 and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.

■ **5.NBT.7** (divide only) ~~Add, subtract, multiply, and~~ **divide** decimals to hundredths, 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 and explain the reasoning used.

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

Informational Links

[GSE Unit 3 Frameworks: Multiplying and Dividing with Decimals](#)

[MCS Math Instructional Framework](#)

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

About the Math

[GaDOE:Grade 5 Standards Overview Document](#)

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

Topic 6: Learning Resources

5.NBT.2, 5.NBT.7

Lesson Number/Task/Module	Lesson	Lesson Description	Standards Addressed
Savvas 6-1	Patterns for Dividing with Decimals Savvas pp. 229-232	Students use mental math and place-value patterns to divide a decimal by a power of 10.	5.NBT.2
Supplemental 6-1	Introducing Dividing a Whole Number by a Decimal MIP Module 6 pp.134-136	Students use models, their understanding of place value, and their understanding of the relationship between multiplication and division to explore dividing decimals.	5.NBT.2
Savvas 6-2	Estimate Decimal Quotients Savvas pp. 233-236	Students use reasoning and strategies such as rounding and compatible numbers to estimate quotients in problems with decimals.	5.NBT.7
Supplemental 6-2	Talk About It, Write About It MIP Module 6 p.139	Students extend their ideas of decimal division and do meaningful practice.	5.NBT.7
Savvas 6-3	Use Models to Divide by a 1-Digit Whole Number Savvas pp. 237-240	Students use models to help find quotients in problems involving decimals.	5.NBT.7
Supplemental 6-3	Divide a Decimal by a Whole Number MIP Module 6 p. 137	Students solve problems to explore dividing a decimal by a whole number.	5.NBT.7
Savvas 6-4	Divide by a 2-Digit Whole Number Savvas pp. 241-244	Students use models to visualize the relationship between division and multiplication to divide decimals by 2-digit whole numbers.	5.NBT.7
Supplemental 6-4	More Observations About Dividing a Decimal by a Whole Number MIP Module 6 p.136	Students continue to observe and discuss the quotients of decimal division gaining greater understanding about what they represent.	5.NBT.7
Savvas 6-5	Divide by a Decimal	Students use models to divide a decimal by a decimal.	5.NBT.7

	Savvas pp. 245-248		
Supplemental 6-5	Divide a Decimal by a Decimal MIP Module 6 p. 138	Students explore a problem in which both the dividend and the divisor are decimals.	5.NBT.7

Additional Resources

5.NBT.2, 5.NBT.7

Standards Addressed	Lesson	Lesson Description
5.NBT.2	What Comes Next GaDOE Constructing Task	Students explore the pattern of powers of 10 with base ten blocks.
5.NBT.7	Place the Point GaDOE Constructing Task	Students will use estimation to determine where to place the decimal point in several quotients. The digits remain the same; however, the value will change.

Assessment Resources

5.NBT.2, 5.NBT.7

Type	Location	Assessment Description	Standards Addressed
Formative	MCS Mini	Students solve multiple choice questions using the powers of ten.	5.NBT.2
Formative	MCS Mini	Students solve an extended response problem using a self-selected strategy.	5.NBT.7
Formative	MIP Module 6 p. 139	Students predict, solve, and explain how they solve a problem involving the division of decimals.	5.NBT.7
Summative	Savvas Topic Assessment TE pp. 259-260	Students will demonstrate common strategies for finding quotients involving decimals. Digital or print forms available through the Savvas platform. Use MDIS to support student needs through data.	5.NBT.2 5.NBT.7
Summative	Savvas Topic Performance Task TE pp. 263-264	Students will use a real-life scenario to convert quantities in a recipe.	5.NBT.7