



Marietta City Schools District Topic Planner

Third Grade

Topic Title	<i>Topic 2: Multiplication Facts: Use Patterns</i>	Unit duration	<i>9 days</i>
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Big Idea: Operations and Algebra - Multiplication Facts

[Georgia Standards of Excellence](#)

- **3.OA.3** Students use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.
- **3.OA.7** Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that $8 \times 5 = 40$, one knows $40 \div 5 = 8$) or properties of operations. By the end of Grade 3, know from memory all products of two one-digit numbers.

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

Informational Links

- [GSE Unit 2 Frameworks: The Relationship Between Multiplication and Division](#)
- [MCS Math Instructional Framework](#)
- [MCS Math Instructional Framework with Resource Guidance](#)

About the Math

- [GaDOE: Grade 3 Standards Overview Document](#)
- [GaDOE: What Do Standards Look Like in Third Grade?](#)

Topic 2 : Learning Resources			
3.OA.3, 3.OA.7			
Lesson Number/Task/Module	Lesson	Lesson Description	Standards Addressed
Savvas 2-1	2 and 5 as a Factor Savvas pp. 41-44	Students gain Fluency in multiplication when using 2 and 5 as a factor.	3.OA.3 3.OA.7
Supplemental 2-1	Exploring the Facts: A Focus on Pairs Mastering Basic Math Facts Multiplication/Division pp. 33-35	Students focus on multiplication with 2 as a factor is finding the total for sets of twos, or pairs.	3.OA.3 3.OA.7
Supplemental 2-1	Exploring the Facts: An Investigation with Pennies Mastering Basic Math Facts Multiplication/Division pp. 57-58	Students focus on multiplication with 5 as a factor with pennies with a focus on patterns in x5 products when working with single digit x single digit multiplication.	3.OA.3 3.OA.7
Savvas 2-2	9 as a Factor Savvas pp. 45-48	Students gain fluency in multiplication when using 9 as a factor.	3.OA.3 3.OA.7
Supplemental 2-2	Exploring x9 Facts Through Tens Chains Mastering Basic Math Facts Multiplication/Division pp.131-136	Students use their understanding of base-ten and skip-counting by 10 to develop a connection between x9 and x10.	3.OA.3 3.OA.7
Savvas 2-3	Apply Properties: Multiply by 0 and 1 Savvas pp. 49-52	Students gain fluency in multiplication when multiplying by 1 or 0.	3.OA.3 3.OA.7
Supplemental 2-3	Multiplying by 0 with Color Tiles or Cubes	Students use manipulatives to build understanding of the concept of x0 products.	3.OA.3 3.OA.7

	Mastering Basic Math Facts Multiplication/Division pp.85-86		
Savvas 2-4	Multiply by 10 Savvas pp. 53-56	Students gain fluency in multiplication when multiplying by 10.	3.OA.3 3.OA.7
Supplemental 2-4	Dimes and Cents Mastering Basic Math Facts Multiplication/Division pp. 48-49	Students make connections to x 10 facts with money using dimes.	3.OA.3 3.OA.7
Savvas 2-5	Multiplication Facts: 0,1,2,5,9 and 10 Savvas pp. 57-60	Students will use number relationships and patterns to develop reasoning strategies to support their recall of basic multiplication facts.	3.OA.3 3.OA.7

Additional Resources

3.OA.3, 3.OA.7

Standards Addressed	Lesson	Lesson Description
3.OA.3 3.OA.7	Exploring the Facts: <i>Cloudy with a Chance of Meatballs</i> Mastering Basic Math Facts Multiplication/Division pp.131-136	Students build understanding for multiplying by 9 in an intriguing context. Literature connection.
3.OA.3 3.OA.7	<i>One Tiny Turtle</i> Mastering Basic Math Facts Multiplication/Division pp.70-75	Students explore x1 facts through a story-related investigation that provides them with immediate context for multiplication with 1 as a factor. Literature Connection.

Assessment Resources

3.OA.3, 3.OA.7

Type	Location	Assessment Description	Standards Addressed
Formative	MCS Mini	Students solve multiplication and division multiple choice problems.	3.OA.7
Formative	MIP Module 3 p. 76	Students reason about multiplying by 10.	3.OA.7
Summative	Savvas Topic Assessment TE pp. 69-70	Students will demonstrate how their knowledge of patterns can help them multiply. Digital or print forms are available through the Savvas platform. Use MDIS to support student needs through data.	3.OA.3 3.OA.7
Summative	Savvas Topic Performance Task TE pp. 71-72	Students will use a real-life scenario to use patterns to multiply.	3.OA.3 3.OA.7