

Grade: 3

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#### Mathematics Grade 3 – Year at a Glance 2018 - 2019



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Module 1 Aug. 6 – Sept. 7	Module 2 Sept. 11 - Oct. 5	Module 3 Oct. 16 – Nov. 16	Module 4 Nov. 26-Dec.19	Module 5 Jan. 7 – Feb. 20	Module 7 Feb. 22-Apr. 3	Module 6 Apr. 4 – Apr. 18		Additional Tasks and Lessons Apr. 22 - May23
Properties of Multiplication & Division and Solving Problems with Units 2-5 and	Place Value and Problem Solving with Units of Measure	Multiplication and Division with Units of 0, 1, 6-9, and Multiples of	Multiplication and Area	Fractions as Numbers on the Number Line	Word Problems with Geometry and Measurement	Collecting and Displaying Data		Please see curriculum maps for specific tasks and lessons
10		10			Note the change in se and 7	quence of Module 6	Window	
3.0A.A.1	3.NBT.A.1	3.0A.A.3	3.MD.C.5	3.NF.A.1	3.0A.D.8	3.MD.8.3	2	Please see
3.0A.A.2	3.NBT.A.2	3.0A.A.4	3.MD.C.6	3.NF.A.2	3.MD.B.4	3.MD.B.4	뷶	curriculum maps fo
3.0A.A.3	3.MD.A.1	3.OA.B.5	3.MD.C.7	3.NF.A.3	3.MD.D.8		ΤÅ.	guidance.
3.0A.A.4	3.MD.A.2	3.0A.C.7		3.G.A.2	3.G.A.1		- a	
3.0A.B.5		3.0A.D.8					TN Re:	
3.0A.B.6		3.0A.D.9					]⊢	
3.0A.C.7		3.NBT.A.3					]	
3.0A.D.8							]	
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Key:

Major Content Supporting Content
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Note: Please use this suggested pacing as a guide. It is understood that teachers may be up to 1 week ahead or 1 week behind depending on the needs of their students.

Use the instructional map and the following guide as you prepare to teach a module for additional guidance in planning, pacing, and suggestions for omissions. <u>Pacing and Preparation Guide (Omissions)</u>



#### Introduction

Destination 2025, Shelby County Schools' 10-year strategic plan, is designed not only to improve the quality of public education, but also to create a more knowledgeable, productive workforce and ultimately benefit our entire community.

What will success look like?



In order to achieve these ambitious goals, we must collectively work to provide our students with high quality, college and career ready aligned instruction. The Tennessee State Standards provide a common set of expectations for what students will know and be able to do at the end of a grade. The State of Tennessee provides two sets of standards, which include the Standards for Mathematical Content and The Standards for Mathematical Practice. The Content Standards set high expectations for all students to ensure that Tennessee graduates are prepared to meet the rigorous demands of mathematical understanding for college and career. The eight Standards for Mathematical Practice describe the varieties of expertise, habits of mind, and productive dispositions that educators seek to develop in all students. The Tennessee State Standards also represent three fundamental shifts in mathematics instruction: focus, coherence and rigor.

# **Instructional Shifts for Mathematics**





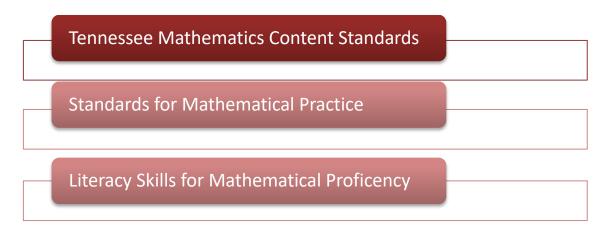
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The **Standards for Mathematical Practice** describe varieties of expertise, habits of minds and productive dispositions that mathematics educators at all levels should seek to develop in their students. These practices rest on important National Council of Teachers of Mathematics (NCTM) "processes and proficiencies" with

longstanding importance in mathematics education. Throughout the year, students should continue to develop proficiency with the eight Standards for Mathematical Practice. The following are the eight Standards for Mathematical Practice:

- 1. Make sense of problems and persevere in solving them.
- 2. Reason abstractly and quantitatively.
- 3. Construct viable arguments and critique the reasoning of them.
- 4. Model with mathematics.
- 5. Use appropriate tools strategically.
- 6. Attend to precision.
- 7. Look for and make use of structure.
- 8. Look for and express regularity in repeated reasoning.

This curriculum map is designed to help teachers make effective decisions about what mathematical content to teach so that ultimately our students can reach Destination 2025. Throughout this curriculum map, you will see resources as well as links to tasks that will support you in ensuring that students are able to reach the demands of the standards in your classroom. In addition to the resources embedded in the map, there are some high-leverage resources around the content standards and mathematical practice standards that teachers should consistently access. For a full description of each, click on the links below.







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#### Structure of the Standards

Structure of the TN State Standards include:

- Content Standards Statements of what a student should know, understand, and be able to do.
- **Clusters** Groups of related standards. Cluster headings may be considered as the big idea(s) that the group of standards they represent are addressing. They are therefore useful as a quick summary of the progression of ideas that the standards in a domain are covering and can help teachers to determine the focus of the standards they are teaching.
- **Domains** A large category of mathematics that the clusters and their respective content standards delineate and address. For example, Number and Operations Fractions is a domain under which there are a number of clusters (the big ideas that will be addressed) along with their respective content standards, which give the specifics of what the student should know, understand, and be able to do when working with fractions.
- Conceptual Categories The content standards, clusters, and domains in the 9th-12th grades are further organized under conceptual categories. These are very broad categories of mathematical thought and lend themselves to the organization of high school course work. For example, Algebra is a conceptual category in the high school standards under which are domains such as Seeing Structure in Expressions, Creating Equations, Arithmetic with Polynomials and Rational Expressions, etc.



# How to Use the Maps

#### Overview

An overview is provided for each quarter and includes the topics, focus standards, intended rigor of the standards and foundational skills needed for success of those standards.

Your curriculum map contains four columns that each highlight specific instructional components. Use the details below as a guide for information included in each column.

#### **Tennessee State Standards**

TN State Standards are located in the left column. Each content standard is identified as Major Content or Supporting Content. A key can be found at the bottom of the map.

#### Content

This section contains learning objectives based upon the TN State Standards. Best practices tell us that clearly communicating measurable objectives lead to greater student understanding. Additionally, essential questions are provided to guide student exploration and inquiry.

#### **Instructional Support**

District and web-based resources have been provided in the Instructional Support column. You will find a variety of instructional resources that align with the content standards. The additional resources provided should be used as needed for content support and scaffolding.

#### **Vocabulary and Fluency**

The inclusion of vocabulary serves as a resource for teacher planning and for building a common language across K-12 mathematics. One of the goals for Tennessee State Standards is to create a common language, and the expectation is that teachers will embed this language throughout their daily lessons. In order to aid your planning, we have also included a list of fluency activities for each lesson. It is expected that fluency practice will be a part of your daily instruction. (Note: Fluency practice is not intended to be speed drills, but rather an intentional sequence to support student automaticity. Conceptual understanding must underpin the work of fluency.

#### Instructional Calendar

As a support to teachers and leaders, an instructional calendar is provided **as a guide**. Teachers should use this calendar for effective planning and pacing, and leaders should use this calendar to provide *support* for teachers. Due to variances in class schedules and differentiated support that may be needed for students adjustment to the calendar may be required.





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**Module 3:** Multiplication and Division with Units of 0, 1, 6-9, and Multiples of 10 **Module 4:** Multiplication and Area

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The chart below includes the standards that will be addressed in this quarter, the type of rigor the standards address, and foundational skills needed for mastery of these standards. Consider using these foundational standards to address student gaps during intervention time as appropriate for students.

Grade Level Standard	Type of Rigor	Foundational Standards
3.OA.A.3	Application	3.OA.A1, 3.OA.A2
3.OA.A.4	Procedural Skill and Fluency	Introductory
3.OA.B.5	Conceptual Understanding	3.OA.A.1, 3.OA.A.2
3.OA.C.7	Procedural Skill and Fluency	3.OA.B.5, 3.OA.B.6
3.OA.D.8	Application, Conceptual Understanding	2.OA.A.1, 3.OA.A.3
3.OA.D.9	Conceptual Understanding	2.OA.C.3, 3.OA.A.5
3.NBT.A.3	Conceptual Understanding	2.NBT.A.1, 3.OA.B.5
3.MD.A.1	Procedural Skill and Fluency	Introductory
3.MD.C.5	Conceptual Understanding	1.G.A.2, 2. MD.A.1,
3.MD.C.6	Conceptual Understanding	2.G.A.2, 3.MD.C.5,
3.MD.C.7	Conceptual Understanding	3.MD.C.5, 3. MD.C.6
3.MD. C. 7a	Conceptual Understanding and Procedural Skill and Fluency	3.MD.C.5, 3. MD.C.6
3.MD.C.7b	Conceptual Understanding, Procedural Skill and Fluency, Application	3.MD.C.5, 3. MD.C.6
3.MD.C.7c	Conceptual Understanding	3.MD.C.5, 3. MD.C.6
3.MD.C.7d	Conceptual Understanding, Application	3.MD.C.5, 3. MD.C.6



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TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
<b>TN STATE STANDARDS</b> Domain: Operations and Algebraic Thinking <b>Cluster</b> : Represent and solve Problems involving multiplication and division. <b>3.OA.A.4</b> Determine the unknown whole number in a multiplication or division equation relating three whole numbers within 100. For example, determine the unknown number that makes the equation true in each of the equations: $8 \times ? = 48$ , $5 = ? \div 3$ , $6 \times 6 = ?$ <b>Domain</b> : Operations and Algebraic Thinking <b>Cluster</b> : Understand properties of multiplication and the relationship between multiplication and division. <b>3.OA.B.5</b> Apply properties of operations as strategies to multiply and divide. (Students need not use formal terms for these properties.) Examples: If $6 \times 4 = 24$ is known, then $4 \times 6 = 24$ is also known (Commutative property of multiplication). $3x 5 \times 2$ can be solved by $(3 \times 5) \times 2$ or $3 \times (5 \times 2)$ (Associative property of multiplication). One way to find $8 \times 7$ is by using $8 \times (5 + 2) = (8 \times 5) + (8 \times 2)$ . By knowing that $8 \times 5 = 40$ and $8 \times 2 = 16$ , then $8 \times 7 = 40 + 16 = 56$ (Distributive property of	<ul> <li>CONTENT</li> <li>Module 3: Multiplication and Division wi</li> <li>Essential Questions <ol> <li>How are multiplication and division facts related?</li> <li>How can you use multiplication to help you divide?</li> </ol> </li> <li>Objectives/Learning Targets: <ol> <li>Topic A: The Properties of Multiplication and Division</li> <li>Lesson 1: I can study commutativity to find known facts of 6, 7, 8, and 9. (3.0A.A.4, 3.0A.B.5, 3.0A.C.7, 3.0A.D.9)</li> <li>Lesson 2: I can apply the distributive and commutative properties to relate multiplication facts 5 × n + n to 6 × n and n × 6 where n is the size of the unit. (3.0A.A.4, 3.0A.B.5, 3.0A.C.7, 3.0A.D.9)</li> <li>Lesson 3: I can multiply and divide with familiar facts using a letter to represent the unknown. (3.0A.A.4, 3.0A.B.5, 3.0A.C.7, 3.0A.D.9)</li> </ol></li></ul>		VOCABULARY & FLUENCY Vocabulary Multiple, Product Familiar Terms and Symbols Array, Commutative Property, Equal groups, Distribute, Divide/Division, Factors, Multiplication/Multiply, Number of Groups, Parentheses, Quotient, Row/Column, Unit, Unknown, Equation, Number Sentence, Even Number, Odd Number, Factors, Expression, Number bond, Units of one, two, or three, Tape Diagram, Value Fluency Practice: Lesson 1- Sprint: Mixed Multiplication Group Counting Commutative Property of Multiplication Group Counting Make Tens Lesson 3- Familiar Facts Multiply Using the Distributive Property Make Tens

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TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
<ul> <li>Domain: Operations and Algebraic Thinking Cluster: Multiply and divide within 100.</li> <li><b>3.OA.C.7</b> Fluently multiply and divide within 100, using strategies such as therelationship between multiplication and division (e.g., knowing that 8 x 5 = 40, one knows 40 ÷ 5 = 8) or properties of operations. By the end of 3rd grade, know from memory all products of two one-digit numbers and related division facts.</li> <li><b>Domain</b>: Operations and Algebraic Thinking Cluster: Solve problems involving the four operations, and identify and explain patterns in arithmetic.</li> <li><b>3.OA.D.9</b> Identify arithmetic patterns (including patterns in the addition and</li> </ul>		<ul> <li>INSTRUCTIONAL SUPPORT</li> <li>I-Ready Lessons <ul> <li>Equations and Numerical Relationships</li> <li>Break Apart a Number to Multiply</li> <li>Using Area for Multiplication: Facts for 6,7 and 8</li> <li>Using Fact Families to Solve Division Problems</li> <li>Understand Patterns</li> </ul> </li> <li>Task Bank <ul> <li>Finding the unknown in a division equation</li> <li>The Stamp Collection</li> <li>Patterns in the Multiplication Table</li> <li>Valid Equalities (Part 2)</li> </ul> </li> </ul>	
multiplication tables) and explain them using properties of operations. For example, analyze patterns in the multiplication table and observe that 4 times a number is always even (because 4 x = (2 x 2) x = 2 x (2 x 6), which uses the associative property of multiplication)			
<b>Domain:</b> Operations and Algebraic Thinking <b>Cluster:</b> Represent and solve Problems involving multiplication and division.	Objectives/Learning Targets Topic B: Multiplication and Division Using Units of 6 and 7	Eureka Parent Newsletter- Topic B Optional Quiz- Topic B	Fluency Practice: Lesson 4- Group Counting Familiar Facts
■ 3.OA.A.3 Multiply and divide within 100 to solve contextual problems, with unknowns in all positions, in situations involving equal groups, arrays, and measurement quantities using strategies based on place value, the properties of operations, and the relationship between multiplication and division (e.g., contexts	Lesson 4: I can count by units of 6 to multiply and divide using number bonds to decompose. (3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7) Lesson 5: I can count by units of 7 to multiply and divide using number bonds to decompose.	Pacing Considerations: Omit Lessons 6. This lesson involves using the distributive property with multiplication and division, a recurring objective in Module 3. Within later distributive property lessons, incorporate units of 6 and 7.	Multiply Using the Distributive Property Make Ten Game Lesson 5- Multiply by 6 Make Seven Game
including computations such as $3 \times ? = 24$ , $6 \times 16$ =?,? $\div 8 = 3$ , or $96 \div 6 = ?$ )	(3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7) Lesson 6: I can use the distributive property	Additional instructional resources for enrichment/ remediation:	Lesson 6- Multiply by 6 Group Counting

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<b>IN STATE STANDARDS</b> <b>3.OA.A.4</b> Determine the unknown whole number in a multiplication or division equation relating three whole numbers within 100. For example, determine the unknown number that makes the equation true in each of the equations: $8 \times ? = 48$ , $5 = ? \div 3$ , $6 \times 6 = ?$ <b>Domain</b> : Operations and Algebraic Thinking <b>Cluster</b> : Understand properties of multiplication and the relationship between multiplication and division. <b>3.OA.B.5</b> Apply properties of operations as strategies to multiply and divide. (Students need not use formal terms for these properties.) Examples: If $6 \times 4 = 24$ is known, then $4 \times 6 = 24$ is also known (Commutative property of multiplication). $3x 5 \times 2$ can be solved by $(3 \times 5) \times 2$ or $3 \times (5 \times 2)$ (Associative property of multiplication). One way to find $8 \times 7$ is by using $8 \times (5 + 2) = (8 \times 5) + (8 \times 2)$ . By knowing that $8 \times 5 = 40$ and $8 \times 2 = 16$ , then $8 \times 7 = 40 + 16 = 56$ (Distributive property of multiplication over addition). <b>Domain</b> : Operations and Algebraic Thinking <b>Cluster</b> : Multiply and divide within 100, using strategies such as therelationship 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 3rd grade, know from memory all products of two one-digit numbers and related division facts.	CONTENT as a strategy to multiply and divide using units of 6 and 7. (3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7) Lesson 7: I can interpret the unknown in multiplication and division to model and solve problems using units of 6 and 7. (3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OAC7)	INSTRUCTIONAL SUPPORT         Remediation Guide         Ready teacher-toolbox aligned lessons:         • Lesson 3: Split Numbers to Multiply         Zearn Lessons- Module 3         Lesson 4: Hop from 6 to 10         Lesson 5: Skip from 7 to 10         Lesson 6: Super Five Returns         Lesson 7: Savvy Sixes and Sevens         embarc.online- Module 3         Videos:         • Solve multiplication problems using the distributive property         • Use the distributive property of multiplication to solve unfamiliar facts         I-Ready Lessons:         • Multiplication and Division Fact Families         • Equations and Numerical Relationships         • Division Concepts: Are and Facts for 3,4 and 5         • Division Concepts: Area and Facts for 6,7 and 8         Task Bank:         Analyzing Word Problems Involving Multiplication Two Interpretations of Division	VOCABULARY & FLUENCY Decompose the Multiplication Sentence Lesson 7- Multiply by 7 Group Counting Decompose the Multiplication Sentence



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TN STATE STANDARDS	CONTENT		
	CONTENT	INSTRUCTIONAL SUPPORT	
<b>Domain:</b> Operations and Algebraic Thinking <b>Cluster:</b> Represent and solve Problems involving multiplication and division. <b>3.OA.A.3</b> Multiply and divide within 100 to solve contextual problems, with unknowns in all positions, in situations involving equal groups, arrays, and measurement quantities using strategies based on place value, the properties of operations, and the relationship between multiplication and division (e.g., contexts including computations such as $3 \times ? = 24$ , $6 \times 16$ $=?,? \div 8 = 3$ , or $96 \div 6 = ?$ ) <b>3.OA.A.4</b> Determine the unknown whole number in a multiplication or division equation relating three whole numbers within 100. For example, determine the unknown number that makes the equation true in each of the equations: $8 \times ? = 48$ , $5 = ? \div 3$ , $6 \times 6 = ?$ <b>Domain</b> : Operations and Algebraic Thinking <b>Cluster</b> : Understand properties of multiplication and the relationship between multiplication and division. <b>3.OA.B.5</b> Apply properties of operations as strategies to multiply and divide. (Students need not use formal terms for these properties.) Examples: If $6 \times 4 = 24$ is known, then $4 \times 6 = 24$ is also known (Commutative property of multiplication). $3x 5 \times 2$ can be solved by $(3 \times 5) \times 2$ or $3 \times (5 \times 2)$ (Associative property of	Objectives/Learning Targets: Topic C: Multiplication and Division Using Units up to 8 Lesson 8: I can understand the function of parentheses and apply to solving problems. 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7) Lesson 9: I can model the associative property as a strategy to multiply. 3.OA.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7) Lesson 10: I can use the distributive property as a strategy to multiply and divide. 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7) Lesson 11: I can interpret the unknown in multiplication and division to model and solve problems. 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7)	INSTRUCTIONAL SUPPORT Eureka Parent Newsletter- Topic C Optional Quiz: Topic C Pacing Considerations: Omit lesson 10. This lessons involves using the distributive property with multiplication and division, a recurring objective in Module 3. Within later distributive property lessons, incorporate units of 6 and 7. Omit Lesson 11, a problem-solving lesson involving multiplication and division. Lesson 11 shares an objective with Lesson 15 and is also similar to Lesson 7. Additional instructional resources for enrichment/ remediation: Remediation Guide Ready teacher-toolbox aligned lessons • Lesson 2- Use Order and Grouping to Multiply Zearn Lessons- Mission 3 Lesson 8: Do this First Lesson 9: Make it Easy Peasy Lesson 10: Super Five Strikes Again Lesson 11: Figure Out Eights embarc.online -Module 3	VOCABULARY & FLUENCY Fluency Practice: Lesson 8 Multiply by 7 Group Counting Add 6 and 7 mentally Lesson 9 Multiply by 7 Group Counting Write in the Parentheses Lesson 10 Group Counting Decompose Multiples of 8 Lesson 11 Multiply by 8 Decompose the Multiplication Sentence Group Counting
multiplication). One way to find $8 \times 7$ is by using $8 \times (5+2) = (8 \times 5) + (8 \times 2)$ . By		Videos:	



## **Curriculum and Instruction - Mathematics**

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
<ul> <li>x 7 = 40 + 16 = 56 (Distributive property of multiplication over addition).</li> <li>Domain: Operations and Algebraic Thinking Cluster: Multiply and divide within 100.</li> </ul>		<ul> <li>the distributive property</li> <li>Use the distributive property of multiplication to solve unfamiliar facts</li> <li>Find the missing quotient in a division problem</li> </ul>	
■ 3.OA.C.7 Fluently multiply and divide within 100, using strategies such as therelationship between multiplication and division (e.g., knowing that 8 x 5 = 40, one knows 40 ÷ 5 = 8) or properties of operations. By the end of 3rd grade, know from memory all products of two one-digit numbers and related division facts.		<ul> <li>I-Ready Lessons: <ul> <li>Multiplication and Division Fact Families</li> <li>Solving One-Step Word Problems Using Multiplication and Division</li> </ul> </li> <li>Task Bank: <ul> <li>Finding the unknown in a division equation</li> <li>The Stamp Collection</li> <li>Analyzing Word Problems involving Multiplication</li> </ul> </li> </ul>	
<b>Domain:</b> Operations and Algebraic Thinking <b>Cluster:</b> Represent and solve Problems involving multiplication and division.	Objectives/Learning Targets: Topic D: Multiplication and Division Using Units of 9	Eureka Parent Newsletter- Topic D Optional Quiz- Topic D	
■ 3.OA.A.3 Multiply and divide within 100 to solve contextual problems, with unknowns in all positions, in situations involving equal groups, arrays, and measurement quantities using strategies based on place value, the properties of operations, and the relationship between multiplication and division (e.g., contexts including computations such as $3 \times 7 = 24$ , $6 \times 16 = ?, ? \div 8 = 3$ , or $96 \div 6 = ?$ )	Lesson 12: I can apply the distributive property and the fact 9 = 10 – 1 as a strategy to multiply. (3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9) Lesson 13-14: I can identify and /use arithmetic patterns to multiply. 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7, 3.OA.D.9)	Pacing Considerations: Lesson 11 shares an objective with Lesson 15 and is also similar to Lesson 7. Omit Lesson 13. Study its essential Understandings and embed them into the delivery of Lesson 14's Concept Development. Modify Lesson 14 by omitting Part 1 of the Concept Development, a part which relies on	
■ 3.OA.A.4 Determine the unknown whole number in a multiplication or division equation relating three whole numbers within 100. For example, determine the unknown number that makes the equation true in	Lesson 15: I can interpret the unknown in multiplication and division to model and solve problems. (3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.C.7)	the foundation of Lesson 13. Additional instructional resources for enrichment/remediation:	



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TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
each of the equations: 8 x ? = 48, 5 =? ÷ 3, 6 x 6 =?		Remediation Guide	
<b>Domain</b> : Operations and Algebraic Thinking <b>Cluster</b> : Understand properties of multiplication and the relationship between multiplication and division.		<ul> <li>Ready teacher-toolbox aligned lessons</li> <li>Lesson 3- Split Numbers to Multiply</li> <li>Lesson 12- Model Two-Step Word Problems Using the Four Operations</li> </ul>	
■ 3.OA.B.5 Apply properties of operations as strategies to multiply and divide. (Students need not use formal terms for these properties.) Examples: If $6 \times 4 = 24$ is known, then $4 \times 6 = 24$ is also known (Commutative property of multiplication). $3 \times 5 \times 2$ can be solved by $(3 \times 5) \times 2$ or $3 \times (5 \times 2)$ (Associative property of multiplication). One way to find $8 \times 7$ is by using $8 \times (5 + 2) = (8 \times 5) + (8 \times 2)$ . By knowing that $8 \times 5 = 40$ and $8 \times 2 = 16$ , then $8$		Zearn Lessons- Mission 3 Lesson 12: Teamwork 10 Lesson 13: Neat-o Nines Lesson 14: Nines Made Handy Lesson 15: Riddle Me Nines embarc.online- Module 3 Videos:	
<ul> <li>x 7 = 40 + 16 = 56 (Distributive property of multiplication over addition).</li> <li>Domain: Operations and Algebraic Thinking Cluster: Multiply and divide within 100.</li> </ul>		Understand multiplication problems: <u>using equal groups</u> Identify patterns on multiplication	
■3.OA.C.7 Fluently multiply and divide within 100, using strategies such as therelationship between multiplication and division (e.g., knowing that 8 x 5 = 40, one knows 40 ÷ 5 = 8) or properties of operations. By the end of 3rd grade, know from memory all products of two		<ul> <li><u>Understand the commutative</u> property of multiplication in word problems</li> <li><u>Solve multiplication problems: using</u> associative property</li> </ul>	
one-digit numbers and related division facts. <b>Domain</b> : Operations and Algebraic Thinking <b>Cluster:</b> Solve problems involving the four operations, and identify and explain patterns in arithmetic.		<ul> <li>I-Ready Lessons:         <ul> <li>Multiplication and Division Fact Families</li> <li>Solve One-Step Word Problems Using Multiplication and Division</li> <li>Understand Patterns</li> </ul> </li> </ul>	



TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
<ul> <li>3.OA.D.9 Identify arithmetic patterns (including patterns in the addition and multiplication tables) and explain them using properties of operations. For example, analyze patterns in the multiplication table and observe that 4 times a number is always even (because 4 x 6 = (2 x 2) x 6 = 2 x (2 x 6), which uses the associative property of multiplication)</li> <li>Domain: Operations and Algebraic Thinking Cluster: Represent and solve Problems involving multiplication and division.</li> <li>3.OA.A.3 Multiply and divide within 100 to solve contextual problems, with unknowns in all positions, in situations involving equal groups, arrays, and measurement quantities using strategies based on place value, the properties of operations and Algebraic Thinking Cluster: Multiplication and division (e.g., contexts including computations such as 3 x ? = 24, 6 x 16 =?,? ÷ 8 = 3, or 96 ÷ 6 =?)</li> <li>Domain: Operations and Algebraic Thinking Cluster: Multiply and divide within 100.</li> <li>3.OA.C.7 Fluently multiply and divide within 100, using strategies such as therelationship between multiplication and division (e.g., knowing that 8 x 5 = 40, one knows 40 ÷ 5=8) or</li> </ul>	CONTENT Objectives/Learning Targets: Topic E: Analysis of Patterns and Problem Solving Including Units of 0 and 1 Lesson 16: I can reason about and explain arithmetic patterns using units of 0 and 1 as they relate to multiplication and division. (3.OA.A.3, 3.OA.C.7, 3.OA.D.8, 3.OA.D.9) Lesson 17: I can identify patterns in multiplication and division facts using the multiplication table. (3.OA.A.3, 3.OA.C.7, 3.OA.D.8, 3.OA.D.9) Lesson 18: I can solve two-step word problems involving all four operations and assess the reasonableness of solutions. (3.OA.A.3, 3.OA.C.7, 3.OA.D.8, 3.OA.D.9)	Task Bank:Gifts from Grandma, Variation 1Two Interpretations of DivisionFinding an Unknown in a Division ProblemEureka Parent Newsletter- Topic EOptional Quiz: Topics E and FPacing Considerations: No pacing adjustments recommendedAdditional instructional resources for enrichment/ remediation:Remediation GuideReady teacher-toolbox aligned lessons: roblems Using the Four Operations• Lesson 13: Solve Two-Step Word Problems Using the Four OperationsZearn Lessons-Mission 3 Lesson 16: Big and Small	VOCABULARY & FLUENCY
that 8 x 5 = 40, one knows 40 $\div$ 5 = 8) or properties of operations. By the end of 3rd grade, know from memory all products of two one-digit numbers and related division facts.		Lesson 17: Even and Odds Lesson 18: Sensible Solutions	
numbers and related division facts. <b>Domain</b> : Operations and Algebraic Thinking <b>Cluster:</b> Solve problems involving the four operations, and identify and explain patterns in arithmetic.		<u>embarc.online- Module 3</u> Videos	
■ 3.OA.D.8 Solve two-step contextual problems		Solve two step problems     multiplying one- digit numbers by	



TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
<ul> <li>using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.</li> <li>Domain: Operations and Algebraic Thinking Cluster: Solve problems involving the four operations, and identify and explain patterns in arithmetic</li> <li><b>3.OA.D.9</b> Identify arithmetic patterns (including patterns in the addition and multiplication tables) and explain them using properties of operations. For example, analyze patterns in the multiplication table and observe that 4 times a number is always even (because 4 x 6 = (2 x 2) x 6 = 2 x (2 x 6), which uses the associative property of multiplication)</li> </ul>		multiples of 10•Solving two -step word problems using a model•Solve multiplication problems: using associative propertyTask Bank Gifts from Grandma, Variation 1 Two Interpretations of Division The Class Trip	
<ul> <li>Domain: Number and Operation in Base Ten</li> <li>Cluster: Use place value understanding and properties of operations to perform multi-digit arithmetic</li> <li>≫ 3.NBT.A.3 Multiply one-digit whole numbers by multiples of 10 in the range 10–90 (e.g., 9 × 80, 5 × 60) using strategies based on place value and properties of operations.</li> <li>Domain: Operations and Algebraic Thinking</li> <li>Cluster: Understand properties of multiplication and the relationship between multiplication and division</li> </ul>	Topic F: Multiplication of Single- Digit Factors and Multiples of 10 Objectives/Learning Targets: Lesson 19: I can multiply by multiples of 10 using the place value chart. (3.OA.B.5, 3.OA.D.8, 3.OA.D.9, 3.NBTA3) Lesson 20: I can use place value strategies and the associative property $n \times (m \times 10) =$ $(n \times m) \times 10$ (where <i>n</i> and <i>m</i> are less than 10) to multiply by multiples of 10. 3.OA.B.5, 3.OA.D.8, 3.OA.D.9, 3.NBT.A.3)	Eureka Parent Newsletter- Topic F         Optional Quiz: Topics E and F         Pacing Considerations:         No pacing adjustments recommended         Additional instructional resources for enrichment/remediation:         Remediation Guide	
<b>3.OA.B.5</b> Apply properties of operations as	Lesson 21: I can solve two-step word problems involving multiplying single-digit		



Quarter: 2

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
strategies to multiply and divide. (Students need not use formal terms for these properties.) Examples: If $6 \times 4 = 24$ is known, then $4 \times 6 = 24$ is also known (Commutative property of multiplication). $3x 5 \times 2$ can be solved by $(3 \times 5) \times 2$ or $3 \times (5 \times 2)$ (Associative property of multiplication). One way to find $8 \times 7$ is by using $8 \times (5 + 2) = (8 \times 5) + (8 \times 2)$ . By knowing that $8 \times 5 = 40$ and $8 \times 2 = 16$ , then $8 \times 7 = 40 + 16 = 56$ (Distributive property of multiplication over addition). <b>Domain</b> : Operations and Algebraic Thinking <b>Cluster</b> : Solve problems involving the four operations, and identify and explain patterns in arithmetic. <b>3.OA.D.8</b> Solve two-step contextual problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding. <b>Domain</b> : Operations and Algebraic Thinking <b>Cluster</b> : Solve problems involving the four operations, and identify and explain patterns in arithmetic <b>3.OA.D.9</b> Identify arithmetic patterns (including patterns in the addition and multiplication tables) and explain them using properties of operations. For example, analyze patterns in the multiplication table and observe that 4 times a number is always even (because $4 \ge 6 = (2 \le 2) \ge 6 = 2 \ge (2 \times 2) \le 6$ (), which uses the associative property of multiplication)	factors and multiples of 10. 3.OA.B.5, 3.OA.D.8, 3.OA.D.9, 3.NBTA3)	Ready teacher-toolbox aligned lessons         • Lesson 2: Use Order and Grouping to Multiply         • Lesson 7: Understand Patterns         • Lesson 10: Use Place Value to Multiply         Zearn Lessons- Mission 3         Lesson 19: Know your Place         Lesson 20: Do What You Want to Do         Lesson 21: Tackle the Tens         embarc.online- Module 3         Videos:         • Solve two step problems multiplying one- digit numbers by multiples of 10         • Solving two -step word problems. using a model         • Solve multiplication problems: using associative property         I-Ready Lessons:         • Use Order and Grouping to Multiply         • Solve Two-Step Word Problems Using the Four Operations         • Understand Patterns         Task Bank         How Many Colored Pencils?         Valid Equalities (Part 2)         The Stamp Collection	



Quarter: 2

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY						
Module 4									
<ul> <li>Domain: Measurement and Data Cluster: Geometric measurement: understand and apply concepts of area and relate area to multiplication and to addition.</li> <li><b>3.MD.C.5</b> Recognize that plane figures have an area and understand concepts of area measurement.</li> <li>a. Understand that a square with side length 1 unit, called "a unit square," is said to have "one square unit" of area and can be used to measure area.</li> <li>b. Understand that a plane figure which can be covered without gaps or overlaps by n unit squares is said to have an area of n square units.</li> </ul>	<ul> <li>Essential Questions <ul> <li>How do you find area?</li> <li>How can you use the distributive property to find the area of a rectangle?</li> <li>How do you estimate to find the area of an irregular shape?</li> </ul> </li> <li>Topic A: Foundations for Understanding Area</li> <li>Objectives/Learning Targets: <ul> <li>Lesson 1: I can understand area as an attribute of plane figures. (3. MD.C.5)</li> </ul> </li> <li>Lesson 2: I can decompose and recompose shapes to compare areas. (3. MD.C.5)</li> <li>Lesson 3: I can model tiling with centimeter and inch unit squares as a strategy to measure area. (3.MD.C.5)</li> <li>Lesson 4: I can relate side lengths with the number of tiles on a side. 3.MD.C.5)</li> </ul>	Eureka Parent Newsletter Topic A         Optional Quiz: Topic A         Pacing Considerations:         Consolidate Lessons 2 and 3, both of which involve measuring and comparing area. From Lesson 3, omit the use of square centimeter tiles and the Application Problem. Have students establish square inches as units, and then tile with them as a strategy to measure area.         Additional instructional resources for enrichment/ remediation:         Ready teacher-toolbox aligned lessons:         • Lesson 27: Understand Area         Zearn Lesson- Mission 4         Lesson 1: Unit, Square Unit         Lesson 2: Shape Shifter         Lesson 3: Range of Rectangles         Lesson 4: Opposites are Equal         embarc.online- Module 4         I-Ready Lessons         • Understand Area							



#### **Curriculum and Instruction - Mathematics**

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
Domain: Measurement and Data	Topic B: Concepts of Area Measurement	Eureka Parent Newsletter - Topic B	Fluency Practice:
<b>Cluster:</b> Geometric measurement: understand and apply concepts of area and relate area to multiplication and to	Objectives/Learning Targets:	Optional Quiz-Topic B	Lesson 5- Group Counting, Products in an Array, Find the Common Products
addition.	<b>Lesson 5</b> : I can form rectangles by tiling with unit squares to make arrays.	Pacing Considerations: No pacing adjustments at this time.	Lesson 6- Group Counting, Write the Multiplication Fact, Products in an
■ 3.MD.C.5 Recognize that plane figures have an area and understand concepts of	(3.MD.C.5a,3,MD.C.5b, 3.MD.C.6)	Additional instructional resources for	Array
area measurement	Lesson 6: I can draw rows and columns to determine the area of a rectangle given an	enrichment/remediation:	Lesson 7- Group Counting, Draw
a. Understand that a square with side length 1 unit, called "a unit square," is said to have "one	incomplete array (3. MD.C.5, 3. MD.C.6, 3. MD.C.7a, 3. MD.C.7b, 3. MD.C.7d)	Remediation Guide	Rectangles, Draw Rectangular Arrays
square unit" of area and can be used to measure area.		Ready toolbox- aligned lessons     Lesson 28: Multiply to Find Area	Lesson 8- Multiply by 6, Group Counting
b. Understand that a plane figure which can	Lesson 7: I can interpret area models to form rectangular arrays. (3.MD.C.7a,3.MD.C.7b)		
be covered without gaps or overlaps by n unit squares is said to have an area of n square units.	Lesson 8: I can find the area of a rectangle	Zearn Lessons- Mission 4 Lesson 5: Tile It	
■ 3.MD.6 Measure areas by counting unit squares (square centimeters, square meters, square inches, square feet, and improvised	through multiplication of the side lengths. (3.MD.C.5, 3.MD.C.6, 3.MD.C.7a,3.MD.C.7b, 3.MD.C.7d)	Lesson 6: Clever Calculations Lesson 7: Off the Grid Lesson 8: All You Need Are Side Length	
units).		embarc.online- Module 4	
<b>3.MD.C.7</b> Relate area of rectangles to the operations of multiplication and addition.	Mid-Module Assessment	Videos: • <u>Finding the Area of a square of</u>	
a. Find the area of a rectangle with whole- number side lengths by tiling it and show that the area is the same as would be found by		<ul> <li>rectangle by counting unit squares</li> <li>Relate area to arrays</li> </ul>	
multiplying the side lengths. b. Multiply side lengths to find areas of rectangles		Task Bank	
with whole number side lengths in the context of solving real-world and mathematical problems		Introducing the Distributive Property Finding Area of Polygons	
and represent whole-number products as rectangular areas in mathematical reasoning.			
c. Use tiling to show in a concrete case that the			



Quarter: 2

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
area of a rectangle with whole-number side lengths a and $b + c$ is the sum of a x b and a x c. Use area models to represent the distributive property in mathematical reasoning. For example, in a rectangle with dimensions 4 by 6, students can decompose the rectangle into 4 x 3 and 4 x 3 to find the total area of 4x 6. (See Table 3 - Properties of Operations)			
d. Recognize area as additive. Find areas of rectilinear figures by decomposing them into non- overlapping			



#### **Curriculum and Instruction - Mathematics**

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
<ul> <li>Domain: Measurement and Data Cluster: Geometric measurement: understand and apply concepts of area and relate area to multiplication and to addition.</li> <li><b>3.MD.C.5</b> Recognize that plane figures have an area and understand concepts of area measurement</li> <li>a. Understand that a square with side length 1 unit, called "a unit square," is said to have "one square unit" of area and can be used to measure area.</li> <li>b. Understand that a plane figure which can be covered without gaps or overlaps by n unit squares is said to have an area of n square units.</li> <li><b>3.MD.C.7</b> Relate area of rectangles to the operations of multiplication and addition.</li> <li>a. Find the area of a rectangle with whole- number side lengths by tiling it and show that the area is the same as would be found by multiplying the side lengths.</li> <li>b. Multiply side lengths to find areas of rectangles with whole number side lengths in the context of solving real-world and mathematical problems and represent whole- number products as rectangular areas in mathematical reasoning.</li> <li>c. Use tiling to show in a concrete case that the area of a rectangle with whole-number side lengths a and b + c is the sum of a x b and a x c. Use area models to represent the distributive</li> </ul>	Topic C: Arithmetic Properties Using Area Models Objectives/Learning Targets: Lesson 9: Analyze different rectangles and reason about their area. (3.MD.C.5), (3.MD.C.7b) Lesson 10: Apply the distributive property as a strategy to find the total area of a large rectangle by adding two products. (3.MD.C.5, 3.MD.C.7a,3.MD. C.7b, 3.MD.C.7c, 3. MD.C.7d) Lesson 11: Demonstrate the possible whole number side lengths of rectangles with areas of 24, 36, 48, or 72 square units using the associative property. (3.MD.C.5, 3.MD.C.7a, 3.MD. C.7b, 3.MD.C.7c, 3. MD.C.7d)	Eureka Parent Newsletter- Topic C Optional Quiz- Topic C Pacing Considerations: Consider omitting Lesson 9, which reviews previously learned skills. If omitting, be sure that students are ready to transition toward more complex practice. Additional instructional resources for enrichment/remediation: Parendiation Guide	Fluency Practice: Lesson 9 Group Counting Find the Area Decompose the Multiplication Equation Lesson 10 Group Counting Find the Unknown Factor Find the Unknown Factor Find the Area



Quarter: 2

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
property in mathematical			
reasoning. For example, in a rectangle with			
dimensions 4 by 6, students can decompose the			
rectangle into $4 \times 3$ and $4 \times 3$ to find the total			
area of 4x 6. (See Table 3 - Properties of			
Operations)			
, ,			
d. Recognize area as additive. Find areas of			
rectilinear figures by decomposing them into non-			
overlapping rectangles and adding the areas of			
the non-overlapping parts, applying this			
technique to solve real-world problems.			
Domain: Measurement and Data	Topic D: Applications of Area Using Sides	Eureka Parent Newsletter- Topic D	Fluency Practice
Cluster: Geometric measurement: understand	Lengths of Figures	Ontional Onio Tania D	1
and apply concepts of area and relate area to		Optional Quiz: Topic D	Lesson 12
multiplication and to addition.	Objectives/Learning Targets	Pacing Considerations:	Group Counting Multiply by 7
■ 3.MD.6 Measure areas by counting unit	Lesson 12: Solve word problems involving	Omit Lessons 15 and 16. These lessons guide	Find the Side Length
squares (square centimeters, square meters,	area. (3.MD.C.6)	students through a project involving floor plans.	
square inches, square feet, and improvised	Lessons 13-14: Find areas by decomposing	Skip the application of area that these lessons	Lesson 13
units).	into rectangles or completing composite figures	provide.	Group Counting
	to form rectangles. (3.MD.C.6, 3.MD.C.7c)		Find the Common Products
■ 3.MD.C.7 Relate area of rectangles to the		Additional instructional resources for	
operations of multiplication and addition.	Lessons 15-16: Apply knowledge of area to	enrichment/remediation:	Lesson 14
	determine areas of rooms in a given floor plan.		Group Counting
a. Find the area of a rectangle with whole-	(3.MD.C.6, 3.MD.C.7, 3.MD.7b, 3.MD.C.7c,	Remediation Guide	Multiply by 8
number side lengths by tiling it and show that the	3.MD.7d)		Find the Area
area is the same as would be found by		Ready teacher- toolbox aligned lessons	
multiplying the side lengths.		Lesson 29: Add Areas	Lesson 15
b. Multiply side lengths to find areas of		Zeem Leenene Missien (	Group Counting
rectangles with whole number side		Zearn Lessons- Mission 4 Lesson 12: A Space Odyssey	Multiply by 9 Find the Area
lengths in the context of solving real-		Lesson 12: A Space Ouyssey	
world and mathematical problems and		Lesson 14: Cut and Compose	Lesson 16
represent whole-number products as		Lesson 15: Ara Architect	Group Counting
rectangular areas in mathematical reasoning.		Lesson 16: Area Remix	Multiply by 9
c. Use tiling to show in a concrete case that the			Find the Area
		embarc.online- Module 4	



## Quarter: 2

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY & FLUENCY
area of a rectangle with whole-number side			
lengths a and $b + c$ is the sum of a x b and a x c.		Videos:	
Use area models to represent the distributive		Relate Area to Arrays Given the area, find missing side	
property in mathematical		lengths of a rectangle	
reasoning. For example, in a rectangle with dimensions 4 by 6, students can decompose the		Tengens of a rectangle	
rectangle into 4 x 3 and 4 x 3 to find the total		I-Ready Lessons	
area of 4x 6. (See Table 3 - Properties of		Add and Multiply to Find Area	
Operations)		Multiplication Fact Review	
oporationoj		Using Area for Multiplication: Facts for	
d. Recognize area as additive. Find areas of		6,7, and 8	
rectilinear figures by decomposing them into non-			
overlapping rectangles and adding the areas of		Task Bank	
the non-overlapping parts, applying this		India's Bathroom Tiles	
technique to solve real-world problems.		Three Hidden Rectangles	



Grade: 3

#### **RESOURCE TOOLBOX**

The Resource Toolbox provides additional support for comprehension and mastery of grade-level skills and concepts. These resources were chosen as an accompaniment to modules taught within this quarter. Incorporated materials may assist educators with grouping, enrichment, remediation, and differentiation.

**NWEA MAP Resources:** <u>https://teach.mapnwea.org/assist/help\_map/ApplicationHelp.htm#UsingTestResults/MAPReportsFinder.htm</u> - Sign in and Click the Learning Continuum Tab – this resources will help as you plan for intervention, and differentiating small group instruction on the skill you are currently teaching. (Four Ways to Impact Teaching with the Learning Continuum) <u>https://support.nwea.org/khanrit</u> - These Khan Academy lessons are aligned to RIT scores.

Textbook Resources	CCSS	Videos
Great Minds' Eureka Math	Tennessee Math Standards	NCTM Common Core Videos
	Achieve the Core - Tasks	TN Tools – Edutoolbox
		Grade 3- LearnZillion
		CCSS Video Series
	Interactive Manipulatives	Additional Sites
	Multiplying by Repeated Addition	http://www.k-5mathteachingresources.com/3rd-grade-
	Related Repeated Addition to Multiplication	number-activities.html
	Multiplication Games	
	Multiplication Fluency	https://www.illustrativemathematics.org/content-
		standards/3
		http://www.edutoolbox.org/tntools/list/grade/819/955/3#96
Other		
Parent Roadmap: Supporting Your Child in Grade Three Mat	nematics	

Parent Roadmap: Supporting Your Child in Grade Three Mathematics Illustrated Mathematics Dictionary for Kids

\*Use this guide as you prepare to teach a module for additional guidance in planning, pacing, and suggestions for omissions.

Pacing and Preparation Guide (Omissions)





			October	2018		
Lessons for the Week	Monday	Tuesday	Wednesday	Thursday	Friday	Notes:
Topic D: Lesson 17 Topic E: Lessons 18-21 (Combine Lesson 18/19) (Omit Lesson 20) 1-day Review End of Module Assessment	1	2	3	4	5 M2: End of Module Assessment Complete End of 1 <sup>st</sup> Nine Weeks	Combine lesson 18 and 19 Omit Lesson 20 Optional Quizzes: Module 2 Topic D Topic E
	8	9	10	11	12	(Quizzes should not take more than 15 minutes to administer)
		Ι	<sup>-</sup> all Break	(		Note: <i>Flex days</i> are included in the
	Columbus Day					instructional calendar to allow opportunities for review, district testing, tasks and other
Flex (Task) Day Module 3 Topic A: Lessons 1-3 Topic B: Lesson 4	<b>15</b> Begin 2 <sup>nd</sup> Nine Weeks	16	17	18	19	school-based activities. (See curriculum map for Task Bank) Optional Quizzes: Module 3 Topic A
Module 3 Topic B: Lessons 5-7 Topic C: Lessons 8-9	22	23	24	25	26	Topic B Topic C (Quizzes should not take more than 15 minutes to administer)
Module 3 Topic C: Lessons 10-11 Topic D: Lesson 12-15 (Omit Lesson 13)	29	30	31 Halloween	1	2	

Note: Please use this suggested pacing as a guide. It is understood that teachers may be up to 1 week ahead or 1 week behind depending on their individual class needs.



# SHELBY COUNTY SCHOOLS 2018-2019 MATHEMATICS INSTRUCTIONAL CALENDAR – GRADE 3



			Novembe	er 2018		
Lessons for the Week	Monday	Tuesday	Wednesday	Thursday	Friday	Notes:
Module 3 Topic C: Lessons 10-11 Topic D: Lesson 12-15 (Omit Lesson 13)				1	2	Omit Lesson 13 Optional Quizzes: Module 3 <u>Topic C</u> <u>Topic D</u> <u>Topic E and F</u> (Quizzes should not take more than 15
Module 3 Topic E: Lessons 16-18 Topic F: Lesson 19-20	5	6	7	8	9	minutes to administer) Note: <i>Flex days</i> are included in the instructional calendar to allow opportunities for review, district testing, tasks and other school-based activities. (See curriculum
Module 3 Topic F: Lesson 21 1-day Review End of Module Assessment Flex (Task) Day	12 Veteran's Day (Out)	13	14	<b>15</b> M3: End of Module Assessment Complete	16	map for Task Bank)
2-days Flex (Task) Day	19	20	21	22	23	Optional Quizzes: Module 4 <u>Topic A</u>
			Th	anksgiving Bre	eak	(Quizzes should not take more than 15 minutes to administer)
Module 4 Topic A: Lessons 1-4 (Combine Lesson 2 and 3) Topic B: Lessons 5-6	26	27	28	29	30	Combine Lesson 2 and 3

Note: Please use this suggested pacing as a guide. It is understood that teachers may be up to 1 week ahead or 1 week behind depending on their individual class needs.





			Decembe	r 2018		
Lessons for the Week	Monday	Tuesday	Wednesday	Thursday	Friday	Notes:
Module 4 Topic B: Lessons 7-8 1-day Review Mid Module Assessment Flex (NWEA) Day	3	4	5	6 M4: Mid Module Assessment Complete	7	Note: <i>Flex days</i> are included in the instructional calendar to allow opportunities for review, district testing, tasks and other school-based activities. (See curriculum map for Task Bank)
Module 4 Topic C: 10-11 (Omit Lesson 9) Topic D: Lessons 12-14	10	11	12	13	14	Omit Lesson 9 Optional Quizzes: Module 4 <u>Topic B</u> <u>Topic C</u> <u>Topic D</u>
Module 4 1-day Review	17	18 M4: End of Module	19	20	21	(Quizzes should not take more than 15 minutes to administer)
End of Module Assessment Topic D: Lessons 15/16 (Combine 15 and 16)		Assessment Complete	2 <sup>nd</sup> Nine Week ends	Winter	Break	Complete combined lesson 15/16 AFTER End of Module Assessment – can be omitted if needed for pacing.
	24	25	26	27	28	
Winter Break						
	31	1	2	3	4	
	Winter Brea	ak				

Note: Please use this suggested pacing as a guide. It is understood that teachers may be up to 1 week ahead or 1 week behind depending on their individual class needs.



# SHELBY COUNTY SCHOOLS 2018-2019 MATHEMATICS INSTRUCTIONAL CALENDAR – GRADE 3

