

**Grade 5 Math Year at a Glance 2019-2020**

In grade 5, instructional time should focus on four critical areas: (1) developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions); (2) extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations; and (3) developing understanding of measurement systems and determining volumes to solve problems; and (4) solving problems using the coordinate plane.

The purpose of this document is to give a general overview of topics, standards, time intervals and assessments for the year. Please reference the curriculum maps for details on implementation of each unit.

Work on mental math, estimation, and rounding should take place throughout the year in the form of [Number Talks and estimation tasks](#).

Each unit has been extended by several days that should be used throughout the unit for reteaching and extending as needed, as well as Number Talks and estimation tasks.

<b>Unit</b>	<b>Dates</b>	<b>Days</b>	<b>MiF Chapter # and Title</b>	<b>Includes Critical Areas?</b>	<b>Standards: Number; phrase; "critical" standards starred</b>	<b>Assessment</b>
<b>Optional: <a href="#">Week of Inspirational Math 3</a></b>	9/3 - 9/10	5 days	<a href="#">Week of Inspirational Math 3</a> , Grades 3-5		These activities and conversations are designed to introduce students to a positive math community, and to help students develop a positive attitude toward math and their own abilities.	
<b>Unit 1</b> Ch 1 & 2  9/11 -11/5	9/11 - 9/27	12 days	Ch. 1: Whole Numbers	Yes	<a href="#">5.NBT.A.1</a> - Multi-digit numbers:digits to the right are 1/10 the value	9/4 – 10/18: FAST Screener-aMath (All students)
	9/30 - 11/5	22 days	Ch. 2: Whole Number Multiplication and Division	Yes	<a href="#">5.NBT.A.2</a> - Patterns when multiplying a number by powers of 10 <a href="#">5.NBT.B.5</a> - Fluently multiply (2 by 3) digit using the standard algorithm <a href="#">5.NBT.B.6</a> - Fluently divide (4 by 2 digit) using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	

**Grade 5 Math Year at a Glance 2019-2020**

					<a href="#">5.OA.A.1</a> - Order of Operations <a href="#">5.OA.A.2</a> - Write simple expressions	
<b>Unit 2</b> Ch 3 11/6 - 12/17	11/6- 12/17	23 days	Ch. 3: Fractions and Mixed Numbers	Yes	<a href="#">5.NF.A.1</a> - Add and subtract fractions with unlike denominators <a href="#">5.NF.A.2</a> - Solve word problems involving add/sub of fractions referring to the whole <a href="#">5.MD.B.2</a> - Make a line plot to display a set of data	
<b>Unit 3</b> Ch 4 12/18 -1/24	12/18- 1/24	19 days	Ch. 4: Multiplying/Dividing Fractions and Mixed Numbers	Yes	<a href="#">5.NF.B.3</a> - Interpret a fraction as division of the numerator by the denominator <a href="#">5.NF.B.4</a> - Multiply fractions by whole numbers <a href="#">5.NF.B.5</a> - Understand when multiplying a fraction by a fraction less than 1 the product is less than both and multiplying a fraction by a fraction greater than one the product is greater than the fraction less than 1 <a href="#">5.NF.B.6</a> - Solve real word problems involving multiplication of fractions and mixed numbers <a href="#">5.NF.B.7</a> - Divide unit fractions by whole numbers and whole numbers by unit fractions	<p align="center"><u>By 12/20:</u> Common Interim Assessment</p> <p align="center"><u>1/2 - 1/24:</u> FAST Screener-aMath <i>(Optional)</i></p>
<b>Unit 4</b> Ch. 8, 9 and EngageNY: Module 5, Topics A, B, & C 1/27 - 4/9	1/27 - 2/12	10 days	Ch. 8: Decimals	Yes	<a href="#">5.NBT.A.1</a> - Multi-digit numbers:digits to the right are 1/10 the value <a href="#">5.NBT.A.3</a> - Read, write and compare decimals to the thousandths <a href="#">5.NBT.A.4</a> - Use place value understanding to round decimals to any place <a href="#">5.NBT.B.7</a> - Add, subtract, multiply, and divide to the hundredths	<p align="center">Optional Cumulative Review (1 month prior to MCAS 2.0)</p> <p align="center"><u>By 3/27:</u> Common Interim Assessment</p>
	2/13- 3/16	17 days	Ch. 9: Multiplying and Dividing Decimals	Yes	<a href="#">5.NBT.A.1</a> - Multi-digit numbers:digits to the right are 1/10 the value <a href="#">5.NBT.A.2</a> - Patterns when multiplying a number by powers of 10 <a href="#">5.NBT.A.4</a> - Use place value understanding to round decimals to any place <a href="#">5.NBT.B.7</a> - Add, subtract, multiply, and divide to the hundredths <a href="#">5.MD.A.1</a> - Convert among different sized standard measurement units within a measurement system	

**Grade 5 Math Year at a Glance 2019-2020**

	3/17 -4/9	17 days	<a href="#">EngageNY Module 5:</a>  Topic A: Concepts of Volume  Topic B: Volume and the Operations of Multiplication and Addition  Topic C: Area of Rectangular Figures with Fractional Side Lengths	Yes	<a href="#">5.MD.C.3</a> - Recognize volume as an attribute of solid figures <a href="#">5.MD.C.4</a> - Measure volumes by counting unit cubes <a href="#">5.MD.C.5</a> - Relate volume to the operations of multiplication and addition and real-world problems	
<b>Unit 5</b> Ch 5 and 11 EngageNY: Module 5, Topic D	4/13 - 5/1	8 days	<a href="#">EngageNY Module 5</a>  Topic D: Drawing, Analysis, and Classification of Two-Dimensional Shapes	No	<a href="#">5.G.A.1</a> - Use a pair of perpendicular number lines, called axes, to define a coordinate system <a href="#">5.G.A.2</a> - Represent real-world and mathematical problems by graphing points in the first quadrant <a href="#">5.G.B.3</a> - Understand the attributes belonging to a category of two-dimensional figures (including kites) <a href="#">5.G.B.4</a> - Classify two-dimensional figures <a href="#">5.OA.B.3</a> - Generate two numerical patterns using two given rules <a href="#">5.NF.B.4.b</a> - Find the area of a rectangle with fractional side lengths	
	4/13-6/16	5/4-5/29	12 days	Ch.11: Graphs and Probability	No	<a href="#">5.MD.B.2</a> - Make a line plot to display a set of data <a href="#">5.G.A.1</a> - Use a pair of perpendicular number lines, called axes, to define a coordinate system <a href="#">5.G.A.2</a> - Represent real-world and mathematical problems by graphing points in the first quadrant <a href="#">5.OA.B.3</a> - Generate two numerical patterns using two given rules

**Grade 5 Math Year at a Glance 2019-2020**

	6/1 - 6/16	10 days	Ch. 5: Algebra	No	<a href="#">5.OA.A.1</a> - Order of Operations <a href="#">5.OA.A.2</a> - Write simple expressions (using a variable)	
--	------------	------------	----------------	----	--	--