Math Expressions Third Grade Pacing Calendar and Standards Alignment

- Non-Math Teaching days/ Holidays

First Introduction of Standard

Instructional Days	1	2	3	4	5			6	7	8	9	10			11	12	13	14	15			16	17	18	19	20			21	22	23
Sept.								Unit 1							Unit 1							Unit 1									
Oct.	Unit 1							Unit 1							Unit 1							Unit 1 Test							Unit 2		
Nov.	Unit 2							Unit 2							Unit 2							Unit 2									
Dec.	Unit 2 Test		Unit 3					Unit 3							Unit 3							Unit 3									
Jan.			Unit 3					Unit 3							Unit 3							Unit 3 Test		Unit 4					Unit 4		
Feb.	Unit 4							Unit 4							Unit 4							Unit 4									
March	Unit 4 Test							Unit 5							Unit 5							Unit 5									
April	Unit 5							Unit 5 Test			Unit 6				Unit 6							Unit 6									
May	Unit 6							Unit 6 Test							Unit 7							Unit 7								Unit 7	
June	Unit 7 Test																													

Unit 1 (30 days)	Unit 2 (22 days)	Unit 3 (25 days)	Unit 4 (26 days)	Unit 5 (17 days)	Unit 6 (17 days)	Unit 7 (13 days)
Multiplication and Division with 0-5, 9, & 10 Students learn how to use a variety of practice materials and routines to practice basic multiplications and divisions. They also learn how to use different strategies for multiplying and dividing, how multiplication and division are related and how to use math drawings and equations to represent and solve word problems.	**Multiplication and Division with 6, 7, 8 and Multiply with Multiples** Students learn multiplications and divisions with 6s, 7s, and 8s, while continuing to practice the rest of the multiplications and divisions covered in Unit 1. The lessons for 6s, 7s, and 8s multiplications focus on strategies for finding the products using multiplications they know. This unit also focuses on word problems.	**Multidigit Addition and Subtraction** Students review place value and rounding numbers to estimate and check reasonableness of answers. They also practice addition and subtraction with multidigit numbers.	**Fractions, Time, and Data** Student build fractions from unit fractions and explore fractions as part of a whole. They compare fractions with either the same denominator or same numerator. Students read and create graphs and display data. They use fractions to solve measurement problems and solve problems involving time and elapsed time.	**Measurement and Fractions** Students compare area and perimeter and solve area and perimeter problems. They find equivalent fractions and solve problems involving fractions.	**Write Equations to Solve Word Problems** Students solve one- and two- step addition, subtraction, multiplication, and division problems involving unknown addends and factors.	**Measurement and Polygons** Students solve problems to find liquid volume, capacity, and weight and mass of objects. They analyse and classify triangles and quadrilaterals.

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Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
Multiplication and Division with 0-5, 9, and 10 **Cluster: Represent and solve problems involving multiplication and division** Big Idea #1- Meanings of Multiplication and Division: 5s and 2s 3.OA.A.1 3.OA.A.2 3.OA.A.3 3.OA.A.4 3.OA.B.5 3.OA.B.6 3.OA.C.7 3.OA.D.9 **Cluster: Solve problems involving the four operations, and identify and explain patterns in arithmetic** Big Idea #2- Patterns and strategies : 9s and 10s 3.OA.A.1 3.OA.A.2 3.OA.A.3 3.OA.A.4 3.OA.B.6 3.OA.C.7 3.OA.D.9 **Cluster: Understand properties of multiplication and the relationship between multiplication and division** Big Idea #3- Strategies for Factors and Products: 3s and 4s 3.OA.A.1 3.OA.A.2 3.OA.A.3 3.OA.A.4 3.OA.B.5 3.OA.B.6 3.OA.C.7 3.OA.D.9 3.MD.C.5 a and b 3.MD.C.7a, b, c, and d **Cluster: Understand properties of multiplication and the relationship between multiplication and division** Big Idea #4- Multiply with 1 and 0 3.OA.A.1 3.OA.A.2 3.OA.A.3 3.OA.A.4 3.OA.B.5 3.OA.B.6 3.OA.C.7 3.OA.D.9	**Multiplication and Division with 6s, 7s, 8s and multiply with Multiples of 10** **Cluster: Multiply and divide within 100.** Big Idea #1- The Remaining Multiplications 3.OA.A.1 3.OA.A.2 3.OA.A.3 3.OA.A.4 3.OA.B.6 3.OA.C.7 3.OA.D.9 3.MD.C.5 a and b 3.MD.C.7 a and b **Cluster: Represent and solve problems involving multiplication and division** Big Idea #2- Problem Solving and Multiples of 10 3.OA.A.1 3.OA.A.2 3.OA.A.3 3.OA.A.4 3.OA.B.6 3.OA.C.7 3.OA.D.9 3.NBT.A.3	**Multidigit Addition and Subtraction** **Cluster: Use place value understanding and properties of operations to perform multidigit arithmetic** Big Idea#1- Understand Place Value and Rounding 3.NBT.A.1 3.NBT.A.2 Big Idea #2- Addition and Subtraction Strategies and Group to Add 3.NBT.A.1 3.NBT.A.2 **Cluster: Represent and interpret data** Big Idea #3- Ungroup to Subtract 3.OA.D.8 3.OA.D.9 3.NBT.A.1 3.NBT.A.2	**Fractions, Time, and Data** **Cluster: Develop understanding of fractions as numbers. Represent and interpret data.** Big Idea #1- Fraction Concepts 3.NF.A.1 3.NF.A.2a and b 3.NF.A.3c and d 3.G.A.2 3.MD.B.4 **Cluster: Solve problems involving measurement and estimation** Big Idea #2- Time 3.MD.A.1 **Cluster: Represent and interpret data** Big Idea #3 Pictographs, Bar Graphs, and Line Plots 3.OA.A.3 3.NBT.A.2 3.MD.A.1 3.MD.B.3 3.MD.B.4	**Measurement and Fractions** **Cluster: Geometric measurement: understand concepts of area and relate area to multiplication and to addition. Geometric measurement: recognize perimeter** Big Idea #1- Area and Perimeter 3.MD.C.5 a and b 3.MD.C.6 3.MD.C.7a, b, c, and d 3.MD.D.8 3.G.A.1 **Cluster: Develop understanding of fractions as numbers** Big Idea #2- Equivalent Fractions 3.NF.A.1 3.NF.A.2a and b 3.NF.A.3a, b, c, and d 3.G.A.2	**Write Equations To Solve Word Problems** **Cluster: Use place value understanding and properties of operations to perform multi digit arithmetic** Big Idea #1- Types of Word Problems 3.OA.A.3 3.OA.A.4 3.NBT.A.1 3.NBT.A.2 **Cluster: Solve problems involving the four operations, and identify and explain patterns in arithmetic** Big Idea #2- Solve two Step Word Problems 3.OA.A.3 3.OA.D.8 3.NBT.A.1 3.NBT.A.2	**Measurement and Polygons** **Cluster: Solve problems involving measurement and estimation** Big Idea #1- Capacity, Weight, and Mass 3.OA.A.3 3.MD.A.2 3.MD.B.4 **Cluster: Reason with shapes and their attributes** Big Idea #2- Analysing Triangles and Quadrilaterals 3.G.A.1 3.G.A.2