

Math Expressions First Grade Pacing Calendar and Standards Alignment

■ - Non-Math Teaching days

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 Test							Unit 2							Unit 2							Unit 2												Unit 2		■		
Nov.	Unit 2								Unit 2 Test						Unit 3							Unit 3			■	■												
Dec.	Unit 3								Unit 3							Unit 3 Test					Unit 4			■	■													
Jan.	■	■	Unit 4							Unit 4							Unit 4							Unit 4														
Feb.	Unit 4 Test								Unit 5							Unit 5			■	■						Unit 5												
March	Unit 5								Unit 5 Test							Unit 6							Unit 6			■	■											
April	Unit 6								Unit 6 Test							Unit 7							Unit 7															
May	Unit 7								Unit 7							Unit 7 Test					Unit 8																	
June	Unit 8 Test																																					

Unit 1 (16 days)	Unit 2 (24 days)	Unit 3 (19 days)	Unit 4 (24 days)	Unit 5 (19 days)	Unit 6 (15 days)	Unit 7 (23 days)	Unit 8 (10 days)
<p>Partners and Number Patterns Through 10 This unit focuses on the 1-more and 1-less pattern, first with counting numbers, then with finding partners, and finally with addition and subtraction.</p>	<p>Addition and Subtraction Strategies Children begin to recognize addition and subtraction problem types and write equations to represent addition and subtraction situations. They discuss different types of equations, decide if they are true or false, and develop strategies for adding and subtracting within 10.</p>	<p>Unknown Numbers in Addition and Subtraction This unit focuses on unknown partners represented as both addition and subtraction situations. Children adapt strategies for finding an unknown total to finding an unknown partner. They write both equations and answers with labels for story problems.</p>	<p>Place Value Concepts Children explore tens and ones grouping using physical groupings and math drawings. Activities provide repeated experience in building two-digit numbers with strong visual support. Children extend place value concepts to add with 1- and 2-digit numbers.</p>	<p>Place Value Situations This unit extends the strategies children have for unknown partners in addition and subtraction situations. Problem types, models, and drawings are all woven together in this unit so children can access prior knowledge as they work with greater numbers.</p>	<p>Comparisons and Data Children organize, represent, and interpret data. They build on what they know about comparing numbers to develop comparison statements for a set of data, and solve comparison story problems.</p>	<p>Geometry, Measurement, and Equal Shares Children distinguish between defining and non-defining attributes of shapes, and compose shapes. They also learn important basic concepts about length measurement. Measuring time units is also included.</p>	<p>Two-Digit Addition In this unit, children use modelling skills, place value, and addition concepts to add with 2-digit numbers when grouping a ten is and is not required.</p>

Documents reflect initial ideas. They are not authoritative in nature and represent an exchange of thoughts and interpretations which are subject to change based on subsequent learning, events and occurrences. Future developments may affect these topics and their relevance. Given these limitations, it is recommended that users validate the application of any information against their current circumstances.

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8
<p>Partners and Number Patterns Through 10</p> <p><u>Cluster: Represent and solve problems involving addition and subtraction.</u> Big Idea #1- Numbers through 10 1.OA.A.1 1.OA.C.5</p> <p><u>Cluster: Add and subtract within 20.</u> Big Idea #2- Patterns with Partners Through 10. 1.OA.A.1 1.OA.B.3 1.OA.C.5 1.OA.C.6 1.OA.D.8</p> <p><u>Cluster: Addition and Subtraction within 20.</u> Big Idea #3- Solve Subtraction Equations 1.OA.A.1 1.OA.C.6 1.OA.D.7 1.OA.D.8</p> <p><u>Cluster: Work with addition and subtraction equations</u> Big Idea #4- Equation Exploration 1.OA.A.1 1.OA.C.6 1.OA.D.7 1.OA.D.8</p>	<p>Addition and Subtraction Strategies</p> <p><u>Cluster: Work with addition and subtraction equations.</u> Big Idea #1- Represent Addition Situations 1.OA.A.1 1.OA.C.6 1.OA.D.7</p> <p><u>Cluster: Understand and apply properties of operations and the relationship between addition and subtraction.</u> Big Idea #2- Solve Addition Equations 1.OA.B.3 1.OA.C.5 1.OA.C.6 1.OA.D.8</p> <p><u>Cluster: Addition and Subtraction within 20.</u> Big Idea #3- Solve Subtraction Equations 1.OA.A.1 1.OA.C.6 1.OA.D.7 1.OA.D.8</p> <p><u>Cluster: Work with addition and subtraction equations</u> Big Idea #4- Equation Exploration 1.OA.A.1 1.OA.C.6 1.OA.D.7 1.OA.D.8</p>	<p>Unknown Numbers in Addition and Subtraction</p> <p><u>Cluster: Represent and solve problems involving addition and subtraction</u> Big Idea #1- Counting On with Addition Situations 1.OA.A.1 1.OA.C.5 1.OA.C.6 1.OA.D.8</p> <p><u>Cluster: Add and subtract within 20.</u> Big Idea #2- Counting On with Subtraction Situations 1.OA.A.1 1.OA.B.4 1.OA.C.5 1.OA.C.6 1.OA.D.8</p> <p><u>Cluster: Understand and apply properties of operations and the relationship between addition and subtraction.</u> Big Idea #3- Mixed Story Problems 1.OA.A.1 1.OA.B.4 1.OA.C.5 1.OA.C.6 1.OA.D.7 1.OA.D.8</p>	<p>Place Value Concepts</p> <p><u>Cluster: Extend the counting sequence</u> Big Idea #1- Tens and Teens 1.OA.A.1 1.OA.B.3 1.OA.C.5 1.OA.C.6 1.OA.D.8 1.NBT.A.1 1.NBT.B.2a and b and c 1.NBT.B.3 1.NBT.C.5</p> <p><u>Cluster: Understand Place Value</u> Big Idea #2- Place Value to 100 1.OA.C.5 1.OA.C.6 1.OA.D.8 1.NBT.A.1 1.NBT.B.2a and b and c 1.NBT.B.3 1.NBT.C.4</p> <p><u>Cluster: Use place value understanding and properties of operations to add and subtract.</u> Big Idea #3- Addition Strategies 1.OA.C.5 1.OA.C.6 1.NBT.A.1 1.NBT.B.2a and b and c 1.NBT.B.3 1.NBT.C.4</p>	<p>Place Value Situations</p> <p><u>Cluster: Represent and solve problems involving addition and subtraction.</u> Big Idea #1- Teen Solution Methods 1.OA.A.1 1.OA.A.2 1.OA.B.3 1.OA.B.4 1.OA.C.5 1.OA.C.6 1.OA.D.8</p> <p><u>Cluster: Use place value understanding and properties of operations to add and subtract.</u> Big Idea #2- Find Patterns and Relationships 1.OA.A.1 1.OA.A.2 1.OA.C.6 1.NBT.A.1 1.NBT.B.2C 1.NBT.C.4 1.NBT.C.5 1.NBT.C.6</p>	<p>Comparisons and Data</p> <p><u>Cluster: Represent and interpret data.</u> Big Idea #1- Represent and Compare Data 1.OA.A.1 1.OA.A.2 1.OA.C.6 1.MD.C.4</p> <p><u>Cluster: Represent and solve problems involving addition and subtraction.</u> Big Idea #2- Compare Problem Types 1.OA.A.1 1.OA.A.2 1.OA.C.6 1.MD.C.4</p>	<p>Geometry, Measurement, and Equal Shares</p> <p><u>Cluster: Tell and write time.</u> Big Idea #1- Tell and Write Time 1.OA.C.6 1.MD.B.3</p> <p><u>Cluster: Reason with shapes and attributes.</u> Big Idea #2- Shapes and Equal Shares 1.OA.C.6 1.G.A.1 1.G.A.2 1.G.A.3</p> <p><u>Cluster: Measure lengths indirectly and by iterating length units.</u> Big Idea #3- Measure and Order by Length 1.OA.C.6 1.MD.A.1 1.MD.A.2 1.MD.B.3 1.G.A.3</p>	<p>Two-Digit Addition</p> <p><u>Cluster: Use place value understanding and properties of operations to add and subtract.</u> Big Idea #1- Add 2-Digit Numbers 1.OA.C.6 1.NBT.B.3 1.NBT.C.4 1.NBT.C.6</p>