

Essential Standards & Pacing Guide

Math 1st Grade

Activities/lessons are from Expressions and support the essential standards. *Standards that Impact Student Achievement* (from Michelle Douglass) are bolded. Teachers may add additional activities and lessons. The week's numbers below are instructional weeks. There are 36 instructional weeks in the school year and this document provides 33 weeks of instruction to allow for teacher flexibility each trimester.

Week	Essential Standards	Unit/Activities	Suggested Formative Assessment(s)
Unit 1: Partners and Number Patterns through 10			
1.OA.1 Represent and solve problems involving addition and subtraction 1.OA.3 Apply properties of operations as strategies to add and subtract 1.OA.5 Relate Counting to addition and subtraction 1.OA.6 Add and Subtract within 20 1.OA.8 Determine the unknown whole number in an addition or subtraction equation			
Week 1	1.OA.1, 1.OA.5 1.OA.1, 1.OA.3, 1.OA.5, 1.OA.6, 1.OA.8	<u>Big Idea: Numbers through 10</u> Lesson 1-1 Discuss Numbers 1-10 Lesson 1-2 Visualize Numbers as a 5-Group and Ones <u>Big Idea: Patterns with Partners Through 10</u> Lesson 1-3 Partners of 2-5 Lesson 1-4 Partners of 6	Quick Quiz 1 (After lesson 2)
Week 2		Lesson 1-5 Partners of 7 Lesson 1-6 Partners of 8 Lesson 1-7 Partners of 9 Lesson 1-8 Partners of 10 Lesson 1-9 Focus on Mathematical Practices (Optional)	Quick Quiz 2 (After lesson 9)
Week 3		Review, Reteach, Unit Assessment	Unit 1 Assessment
Unit 2: Addition and Subtraction Strategies			

1.OA.1 Represent and solve problems involving addition and subtraction 1.OA.3 Apply properties of operations as strategies to add and subtract 1.OA.5 Relate Counting to addition and subtraction 1.OA.6 Add and Subtract within 20 1.OA.7 Understand the meaning of the equal sign, 1.OA.8 Determine the unknown whole number in an addition or subtraction equation			
Week 4	1.OA.1,1.OA.6, 1.OA.7	<u>Big Idea 1: Represent Addition Situations</u> Lesson 2-1 Represent Addition Lesson 2-2 Addition with Circle Drawings Lesson 2-3 Addition Equations	
Week 5	1.OA.3,1.OA.5, 1.OA.6, 1.OA.8	Lesson 2-4 Addition Equations and Stories <u>Big Idea 2: Solve Addition Equations</u> Lesson 2-5 Explore Solution Methods Lesson 2-6 Addition Strategies: Counting On	Quick Quiz 1 & Fluency Check 1 (After lesson 4)
Week 6	1.OA.1, 1.OA.6, 1.OA.7, 1.OA.8	Lesson 2-7 Count On from the Greater Number Lesson 2-8 Addition Game: Unknown Totals (Optional) Lesson 2-9 Practice Counting On <u>Big Idea 3: Solve Subtraction Equations</u> Lesson 2-10 Represent Subtraction	Quick Quiz 2 & Fluency Check 2 (After lesson 9)
Week 7		Lesson 2-11 Subtraction with drawings and Equations Lesson 2-12 Practice with Subtraction Lesson 2-13 Generate Subtraction Problems	Quick Quiz 3 & Fluency Check 3 (After lesson 13)
Week 8	1.OA.1, 1.OA.6, 1.OA.7, 1.OA.8	<u>Big Idea 4: Equation Exploration</u> Lesson 2-14 Relate Addition and Subtraction Lesson 2-15 Mixed Practice with Equations Lesson 2-16 Focus on Mathematical Practices	Quick Quiz 4 & Fluency Check 4 (After lesson 16)
Week 9		Review, Reteach, Unit Assessment	Unit 2 Assessment
Unit 3 Unknown Numbers in Addition and Subtraction 1.OA.1 Represent and solve problems involving addition and subtraction			

1.OA.4 Understand Subtraction as a Missing Addend Problem 1.OA.5 Relate Counting to addition and subtraction 1.OA.6 Add and Subtract within 20 1.OA.7 Understand the meaning of the equal sign, 1.OA.8 Determine the unknown whole number in an addition or subtraction equation			
Week 10	1.OA.1, 1.OA.5, 1.OA.6, 1.OA.8	<u>Big Idea 1: Counting On with Addition Situations</u> Lesson 3-1 Explore Unknowns Lesson 3-2 Problems with Unknowns Lesson 3-3 Solve Equations with Unknown Partners Lesson 3-4 Addition Game: Unknown Partners	
Week 11	1.OA.1, 1.OA.4, 1.OA.5,	Lesson 3-5 Practice with Unknown Partners (Optional) <u>Big Idea: 2 Counting On with Subtraction Situations</u> Lesson 3-6 Subtraction Strategies Lesson 3-7 Subtraction Stories and Games (Optional) Lesson 3-8 Practice with Subtraction	Quick Quiz 1 & Fluency Check 5 (After lesson 5) Quick Quiz 2 & Fluency Check 6 (After lesson 8)
Week 12	1.OA.1, 1.OA.4, 1.OA.5, 1.OA.6, 1.OA.7, 1.OA.8	<u>Big Idea 3: Mixed Story Problems</u> Lesson 3-9 Relate Addition and Subtraction Situations (May take 2 days) Lesson 3-10 Solve Mixed Problems Lesson 3-11 Practice with Mixed Problems (Optional) Lesson 3-12 Focus on Mathematical Practices	Quick Quiz 3 & Fluency Check 7 (After lesson 12)
Week 13		Review, Reteach, Unit Assessment	Unit 3 Assessment
Unit 4 Place Value Concepts 1.OA.1 Represent and solve problems involving addition and subtraction 1.OA.3 Apply properties of operations as strategies to add and subtract 1.OA.5 Relate Counting to addition and subtraction 1.OA.6 Add and Subtract within 20 1.OA.8 Determine the unknown whole number in an addition or subtraction equation 1.NBT.1 Count to 120 1.NBT.2 Understand that the two digits of a two-digit number represent amounts of tens and ones			

1.NBT.3 Compare two two-digit numbers

1.NBT.4 Add within 100

1.NBT.5 Given a two-digit number, mentally find 10 more and 10 less

Week 14	1.OA.1, 1.OA.3, 1.OA.5, 1.OA.6, 1.OA.8, 1.NBT.1, 1.NBT.2. 1.NBT.3, 1.NBT.5	<u>Big Idea 1: Tens and Teens</u> Lesson 4-1 Introduction to Tens Grouping Lesson 4-2 Explore Teen Numbers Lesson 4-3 Represent and Compare Teen Numbers	
Week 15		Lesson 4-4 Visualize Teen Addition Lesson 4-5 Teen Addition Strategies Lesson 4-6 Investigate Doubles	Quick Quiz 1 & Fluency Check 8 (After lesson 6)
Week 16	1.OA.5, 1.OA.6, 1.OA.8, 1.NBT.1, 1.NBT.2. 1.NBT.3, 1.NBT.4	<u>Big Idea 2: Place Value to 100</u> Lesson 4-7 Understand Tens and Ones Lesson 4-8 Integrate Tens and Ones Lesson 4-9 Practice Grouping Ones into Tens	
Week 17		Lesson 4-10 Add with Groups of Tens (May take 2 days) Lesson 4-11 Practice with Tens and Ones Lesson 4-12 Use Place Value to Compare Numbers	Quick Quiz 2 & Fluency Check 9 (After lesson 12)
Week 18	1.OA.5, 1.OA.6, 1.NBT.1, 1.NBT.2. 1.NBT.3, 1.NBT.4	<u>Big Idea 3: Addition Strategies</u> Lesson 4-13 Add Tens or Ones Lesson 4-14 Mixed Addition with Tens and Ones Lesson 4-15 Counting On Strategy: 2-Digit Numbers	
Week 19		Lesson 4-16 Practice with 2-Digit Numbers Lesson 4-17 2-Digit Addition Games Lesson 4-18 Focus on Mathematical Practices	Quick Quiz 3 & Fluency Check 10 (After lesson 18)
Week 20		Review, Reteach, Unit Assessment	Unit 4 Assessment

Unit 5 Place Value Situations

1.OA.1 Represent and solve problems involving addition and subtraction

1.OA.2 Solve word problems that call for addition of three whole numbers

1.OA.3 Apply properties of operations as strategies to add and subtract
1.OA.4 Understand Subtraction as a Missing Addend Problem
 1.OA.5 Relate Counting to addition and subtraction
1.OA.6 Add and Subtract within 20
 1.OA.8 Determine the unknown whole number in an addition or subtraction equation
 1.NBT.1 Count to 120
1.NBT.2 Understand that the two digits of a two-digit number represent amounts of tens and ones
1.NBT.4 Add within 100
 1.NBT.5 Given a two-digit number, mentally find 10 more and 10 less
 1.NBT.6 Subtract multiples of 10 within 100.

Week 21	1.OA.1, 1.OA.2, 1.OA.3 1.OA.4 1.OA.5 1.OA.6 1.OA.8	<u>Big Idea 1: Teen Solution Methods</u> Lesson 5-1 Unknown Partners with Teen Totals (May take 2 days) Lesson 5-2 Subtraction with Teen Numbers Lesson 5-3 Mixed Practice with Teen Problems	
Week 22		Lesson 5-4 Small Group Practice Lesson 5-5 Teen Problems with Various Unknowns Lesson 5-6 Problems with Three Addends	Quick Quiz 1 & Fluency Check 11 (After lesson 6)
Week 23	1.OA.1, 1.OA.2, 1.OA.6, 1.NBT.1 1.NBT.2, 1.NBT.4	<u>Big Idea 2: Find Patterns and Relationships</u> Lesson 5-7 Count with Groups of 10 Lesson 5-8 Numbers Through 120 (May take 2 days) Lesson 5-9 Add and Subtract Tens	
Week 24	1.NBT.5 1.NBT.6	Lesson 5-10 Add and Subtract Multiples of 10 Lesson 5-11 Focus on Mathematical Practices	Quick Quiz 2 & Fluency Check 12 (After lesson 11)
Week 25		Review, Reteach, Unit Assessment	Unit 5 Assessment

Unit 6 Comparisons and Data

1.OA.1 Represent and solve problems involving addition and subtraction
 1.OA.2 Solve word problems that call for addition of three whole numbers

1.OA.6 Add and Subtract within 20 1.MD.4 Organize, represent and interpret data			
Week 26	1.OA.1, 1.OA.2, 1.OA.6, 1.MD.4	<u>Big Idea: Represent and Compare Data</u> Lesson 6-1 Explore Representing Data Lesson 6-2 Organize Categorical Data (May take 2 days) Lesson 6-3 Use Stair Steps to Represent	
Week 27		Lesson 6-4 Data Sets with Three Categories Lesson 6-5 Data Collecting <u>Big Idea 2: Compare Problem Types</u> Lesson 6-6 Introduce Comparison Bars	Quick Quiz 1 & Fluency Check 13 (After lesson 5)
Week 28		Lesson 6-7 Comparison Bars and Comparing Language (May take 2 days) Lesson 6-8 Solve Compare Problems Lesson 6-9 Focus on Mathematical Practices	Quick Quiz 2 & Fluency Check 14 (After lesson 9)
Week 29		Review, Reteach, Unit Assessment	Unit 6 Assessment
Unit 7 Geometry Measurement and Equal Shares 1.OA.6 Add and Subtract within 20 1.MD.1 Order three objects by length 1.MD.2 Expresses the length of an object as a whole number 1.MD.3 Tell and write time in hours and half-hours 1.G.1 Distinguish between defining attributes versus non-defining attributes; build and draw shapes 1.G.2 Compose shapes to create a composite shape 1.G.3 Partitions circles and rectangles into equal shares			
Week 30	1.OA.6, 1.MD.3	<u>Big Idea 1: Tell and Write Time</u> Lesson 7-1 Introduction to Time Lesson 7-2 Tell and Write Time in Hours Lesson 7-3 Time in Our Day Lesson 7-4 Tell and Write Time in Half-Hours Lesson 7-5 Practice Telling and Writing Time	Quick Quiz 1 & Fluency Check 15 (After lesson 5)

Week 31	1.OA.6, 1.G.1, 1.G.2, 1.G.3	<u>Big Idea 2: Shapes and Equal Shares</u> Lesson 7-6 Squares and Other Rectangles Lesson 7-7 Triangles and Circles Lesson 7-8 Equal Shares Lesson 7-9 Compose 2-Dimensional Shapes	
Week 32	1.OA.6, 1.MD.1 1.MD.2 1.MD.3, 1.G.3	Lesson 7-10 3-Dimensional Shapes Lesson 7-11 Compose 3-Dimensional Shapes <u>Big Idea: Measure and Order by Length</u> Lesson 7-12 Order by Length Lesson 7-13 Measure with Length Units Lesson 7-14 Focus on Mathematical Practices	Quick Quiz 2 & Fluency Check 16 (After lesson 11) Quick Quiz 3 & Fluency Check 17 (After lesson 14)
Week 33		Review, Reteach, Unit Assessment	Unit 7 Assessment
Weeks 34-36: Complete Other Unfinished Lessons/Units, Reteach and Review, Introduce 2nd Grade Concepts			
Week 34			
Week 35			
Week 36			
Other Available Assessments: NWEA Acadience (DIBELS) Math Assessment			