

## Essential Standards & Pacing Guide Math 3rd Grade

Week	Essential Standards	Unit/Activities	Suggested Formative Assessment(s)
<b>Unit 1: Multiplication and Division with 0-5, 9, and 10</b> 3.OA.A Represent and solve problems involving multiplication and division. 3.OA.B Understand properties of multiplication and the relationship between multiplication and division. 3.OA.C Multiply and divide within 100. 3.OA.D Solve problems involving the four operations, and identify and explain patterns in arithmetic. 3.MD.C Geometric measurement: understand concepts of area and relate area to multiplication and to addition.			
<b>Week 1</b>	3.OA.A-D	Lesson 1-1 Multiply by 5 Lesson 1-2 Multiplication as Equal Groups Lesson 1-3 Multiplication and Arrays	Fact Fluency: 5
<b>Week 2</b>	3.OA.A-D	Lesson 1-4 Meaning of Division Lesson 1-5 Multiply and Divide with 2 Lesson 1-6 Building Fluency with 2s and 5s	Quick Quiz 1-1 Fact Fluency: 2, 5
<b>Week 3</b>	3.OA.A-D	Lesson 1-7 Multiply and Divide with 10 Lesson 1-8 Multiply and Divide with 9 Lesson 1-9 Building Fluency with 2s, 5s, 9s, and 10s	Quick Quiz 1-2 Fact Fluency: 2, 5, 9, 10
<b>Week 4</b>	3.OA.A-D 3.MD.C	Lesson 1-10 Multiply and Divide with 3 Lesson 1-11 Multiplication and Area Lesson 1-12 Multiply and Divide with 4	Fact Fluency: 3, 4, 9, 10
<b>Week 5</b>	3.OA.A-D 3.MD.C	Lesson 1-13 Use the Strategy Cards (Fast Arrays/Word Problems) Lesson 1-14 Building Fluency with 2s, 3s, 4s, 5s, 9s, and 10s	Quick Quiz 1-3 Fact Fluency: 2, 3, 4, 5, 9, 10

		Lesson 1-15 Multiply and Divide with 1 and 0 (Properties)	
<b>Week 6</b>	3.OA.A-D	Lesson 1-16 Solve and Create Word Problems Lesson 1-18 Building Fluency with 0s, 1s, 2s, 3s, 4s, 5s, 9s, and 10s Lesson 1-19 Focus on Mathematical Practices (Math and Hobbies)	Quick Quiz 1-4 Fact Fluency: 0, 1, 2, 3, 4, 5, 9, 10
<b>Week 7</b>		Review, Reteach, Unit Assessment	Unit 1
<b>Unit 2: Multiplication and Division with 6s, 7s, 8s, and Multiply with Multiples of 10</b> 3.OA.A Represent and solve problems involving multiplication and division. 3.OA.B Understand properties of multiplication and the relationship between multiplication and division. 3.OA.C Multiply and divide within 100. 3.OA.D Solve problems involving the four operations, and identify and explain patterns in arithmetic. 3.MD.C Geometric measurement: understand concepts of area and relate area to multiplication and to addition. 3.NBT.A Use place value understanding and properties of operations to perform multi-digit arithmetic.			
<b>Week 8</b>	3.OA.A-D 3.MD.C	Lesson 2-1 Multiply and Divide with 6 Lesson 2-2 Solve Area Word Problems Lesson 2-3 Multiply and Divide with 8	Fact Fluency: 6, 8
<b>Week 9</b>	3.OA.A-D 3.NBT.A	Lesson 2-4 Write Word Problems and Equations Lesson 2-5 Multiply and Divide with 7 Lesson 2-6 Square Numbers	Fact Fluency: 6, 7, 8
<b>Week 10</b>	3.OA.A-D 3.NBT.A	Lesson 2-7 Practice with 6s, 7s, and 8s Lesson 2-8 Building Fluency with 0s through 10s (incl. Scrambled Tables) Lesson 2-9 Equations and Word Problems	Fact Fluency: 6, 7, 8
<b>Week 11</b>	3.OA.A-D 3.NBT.A	Lesson 2-10 Write First Step Questions for Two Step Problems (Order of Operations)	Quick Quiz 2-1 Fact Fluency: 6, 7, 8

		Lesson 2-11 Make Sense of Two Step Word Problems Lesson 2-12 Multiply with Multiples of 10	
<b>Week 12</b>	3.OA.A-D 3.NBT.A	Lesson 2-13 Play Multiplication and Division Games (Two Step Word Problems/Function Tables) Lesson 2-14 Building Fluency with 0s-10s Lesson 2-15 Focus on Mathematical Practices (Math and Recipes, Zoo Animals)	Quick Quiz 2-2 Targeted Fact Fluency: 0-10
<b>Week 13</b>		Review, Reteach, Unit Assessment	Unit 2
<b>Unit 4: Multi-digit Addition and Subtraction</b> <b>Unit 5: Write Equations to Solve Word Problems</b> 3.OA.D Solve Problems involving the four operations, and identify and explain patterns in arithmetic. 3.NBT.A Use place value understanding and properties of operations to perform multi-digit arithmetic.			
<b>Week 14</b>	3.OA.D 3.NBT.A	Lesson 4-1 Make Place Value Drawings Lesson 4-2 Build Numbers (Expanded Form) Lesson 4-3 Place Value in Word Problems	Targeted Fact Fluency: 0-10
<b>Week 15</b>	3.OA.D 3.NBT.A	Lesson 4-4 Practice with Place Value Lesson 4-5 Round to the Nearest Hundred Lesson 4-6 Round to the Nearest Ten	Quick Quiz 4-1 Fluency Check 1
<b>Week 16</b>	3.OA.D 3.NBT.A	Lesson 4-7 Exploring Multi-digit Addition Lesson 4-8 Discuss Addition Methods Lesson 4-9 The Grouping Concept in Addition	Fluency Check 2
<b>Week 17</b>	3.OA.D 3.NBT.A	Lesson 4-10 Practice Addition Lesson 4-11 Ungroup to Subtract Lesson 4-12 Subtract Across Zeros	Quick Quiz 4-2 Fluency Check 3
<b>Week 18</b>	3.OA.D	Lesson 4-14 Relate Addition and Subtraction	Quick Quiz 4-3

	3.NBT.A	Lesson 4-16 Addition and Subtraction Practice Lesson 4-18 Focus on Mathematical Practices (Math and Maps)	Fluency Check 4
<b>Week 19</b>		Review, Reteach, Unit Assessment	Unit 4
<b>Week 20</b>	3.OA.D 3.NBT.A	Lesson 5-1 Addition and Subtraction Situations Lesson 5-4 Comparison Problems Lesson 5-9 Equations and Solve Two-Step Word Problems	Quick Quiz 5-1 Quick Quiz 5-2
<b>Unit 7: Explore Fractions</b> 3.NF.A Develop understanding of fractions as numbers. 3.G.A Reason with shapes and their attributes.			
<b>Week 21</b>	3.NF.A 3.G.A	Lesson 7-1 Understand Fractions Lesson 7-2 Model Fractions	Fluency Check 5
<b>Week 22</b>	NF.A	Lesson 7-3 Locate Fractions on a Number Line Lesson 7-4 Compare Unit Fractions	Fluency Check 6
<b>Week 23</b>	3.NF.A	Lesson 7-5 Compare Fractions Lesson 7-6 Introduce Equivalence	Quick Quiz 7-1 Fluency Check 7
<b>Week 24</b>	3.NF.A	Lesson 7-7 Equivalent Fractions Lesson 7-8 Problem Solving with Fractions	Quick Quiz 7-2 Fluency Check 8
<b>Week 25</b>		Review, Reteach, Unit Assessment	Unit 7
<b>Unit 3: Measurement, Time, and Graphs</b> 3.MD.A Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. 3.MD.B Represent and interpret data. 3.OA.A Represent and solve problems involving multiplication and division.			

<b>Week 26</b>	3.MD.A 3.OA.A	Lesson 3-1 Customary Units of Length Lesson 3-2 Customary Units of Liquid Volume Lesson 3-3 Metric Units of Liquid Volume	Fluency Check 9
<b>Week 27</b>	3.MD.A 3.OA.A	Lesson 3-4 Customary Units of Weight and Metric Units of Mass Lesson 3-5 Solve Word Problems Involving Liquid Volume and Mass	Quick Quiz 3-1 Fluency Check 10
<b>Week 28</b>	3.MD.A	Lesson 3-6 Tell Time Lesson 3-7 Before and After the Hour Lesson 3-8 Elapsed Time	Fluency Check 11
<b>Week 29</b>	3.MD.A	Lesson 3-9 Add and Subtract Time Lesson 3-10 Solve Word Problems Involving Time	Quick Quiz 3-2
<b>Week 30</b>	3.MD.B	Lesson 3-11 Read and Create Pictographs and Bar Graphs Lesson 3-12 Read and Create Bar Graphs with Multi-digit Numbers Lesson 3-13 Represent and Organize Data	Quick Quiz 3-3
<b>Week 31</b>	3.MD.B 3.OA.A	Lesson 3-14 Use Graphs to Solve Time and Measurement Problems Review, Reteach, Unit Assessment	Unit 3
<p><b>Unit 6: Polygons, Perimeter, and Area</b>  <i>NOTE: Big Idea 2 Area and Perimeter are primary focus due to testing window.</i>  3.MD.C Geometric measurement: understand concepts of area and relate area to multiplication and to addition.  3.MD.D Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.  3.G.A. Reason with shapes and their attributes.</p>			
<b>Week 32</b>	3.MD.C	Lesson 6-5 Perimeter and Area	Fluency Check 12

	3.MD.D	Lesson 6-6 Side Lengths with Area and Perimeter Lesson 6-7 Compare Areas and Perimeters	
<b>Week 33</b>	3.MD.C 3.MD.D	Lesson 6-8 Area of Rectilinear Figures Lesson 6-9 Solve Perimeter and Area Problems Lesson 6-11 Focus on Mathematical Practices (Math and Gardening)	Quick Quiz 6-2
<b>Week 34</b>	3.G.A	Lesson 6-1 Triangles Lesson 6-2 Parallelograms, Rectangles, Squares, and Rhombuses Lesson 6-3 Draw Quadrilaterals Lesson 6-4 Classify Quadrilaterals	Quick Quiz 6-3
<b>Week 35</b>		Review, Reteach, Unit Assessment	Unit 6
<b>Weeks 36-40: Complete Other Unfinished Lessons (Unit 5), Reteach and Review, Introduce 4th Grade Concepts</b>			
<b>Week 36</b>			
<b>Week 37</b>			
<b>Week 38</b>			
<b>Week 39</b>			
<b>Week 40</b>			
<b>Other Available Assessments:</b> NWEA Acadience (DIBELS) Math Assessment IABs Targeted Fact Fluency (20 problems in 1 minute, 3-4 sec per fact)			

