

A Planning Guide of

enVision[®] Mathematics



To the

Michigan Standards for Mathematics Grade 2

**A Planning Guide of enVision Mathematics Common Core ©2020
to the Michigan Standards for Mathematics
Grade 2**

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Topic 1: Fluently Add and Subtract Within 20	
Lesson 1-1: Addition Fact Strategies: 5-8	<p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP2: Reason abstractly and quantitatively. Math Practice MP4: Model with mathematics.</p>
Lesson 1-2: Doubles and Near Doubles: 9-12	<p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP7: Look for and make use of structure. Math Practice MP6: Attend to precision.</p>
Lesson 1-3: Make a 10 to Add: 13-16	<p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP2: Reason abstractly and quantitatively. Math Practice MP7: Look for and make use of structure.</p>
Lesson 1-4: Addition Fact Patterns: 17-20	<p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP7: Look for and make use of structure. Math Practice MP8: Look for and express regularity in repeated reasoning.</p>
Lesson 1-5: Count On and Count Back to Subtract: 21-24	<p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP2: Reason abstractly and quantitatively. Math Practice MP4: Model with mathematics.</p>

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Lesson 1-6: Think Addition to Subtract: 25-28	<p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP2: Reason abstractly and quantitatively. Math Practice MP8: Look for and express regularity in repeated reasoning.</p>
Lesson 1-7: Make a 10 to Subtract: 29-32	<p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others. Math Practice MP5: Use appropriate tools strategically.</p>
Lesson 1-8: Practice Addition and Subtraction Facts: 33-36	<p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP2: Reason abstractly and quantitatively. Math Practice MP4: Model with mathematics.</p>
Lesson 1-9: Solve Addition and Subtraction Word Problems: 37-40	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them. Math Practice MP6: Attend to precision.</p>

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<p>Lesson 1-10: Problem Solving: Construct Arguments: 41-44</p>	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
<p>Topic Performance Task: 55-56</p>	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Topic 2: Work with Equal Groups	
Lesson 2-1: Even and Odd Numbers: 61-64	<p>2.OA.C.3: Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
Lesson 2-2: Continue Even and Odd Numbers: 65-68	<p>2.OA.C.3: Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP4: Model with mathematics.</p>
Lesson 2-3: Use Arrays to Find Totals: 69-72	<p>2.OA.C.4: Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>

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Lesson 2-4: Make Arrays to Find Totals: 73-76	<p>2.OA.C.4: Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>
Lesson 2-5: Problem Solving: Model with Math: 77-80	<p>2.OA.C.4: Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP4: Model with mathematics.</p>

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<p>Topic Performance Task: 87-88</p>	<p>2.OA.C.4: Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.OA.C.3: Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP4: Model with mathematics.</p>
Topic 3: Add Within 100 Using Strategies	
<p>Lesson 3-1: Add Tens and Ones on a Hundred Chart: 93-96</p>	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>

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Lesson 3-2: Add Tens and Ones on an Open Number Line: 97-100	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>
Lesson 3-3: Break Apart Numbers to Add: 101-104	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
Lesson 3-4: Add Using Compensation: 105-108	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>

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<p>Lesson 3-5: Practice Adding Using Strategies: 109-112</p>	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
<p>Lesson 3-6: Solve One-Step and Two-Step Problems: 113-116</p>	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP6: Attend to precision.</p>

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<p>Lesson 3-7: Problem Solving: Construct Arguments: 117-120</p>	<p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>
<p>Topic Performance Task: 131-132</p>	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Topic 4: Fluently Add Within 100	
Lesson 4-1: Add 2-Digit Numbers Using Models: 137-140	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 4-2: Continue to Add 2-Digit Numbers Using Models: 141-144	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Lesson 4-3: Add with Partial Sums: 145-148	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP4: Model with mathematics.</p>
Lesson 4-4: Add Using Mental Math and Partial Sums: 149-152	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>

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Lesson 4-5: Break Apart Numbers and Add Using Mental Math: 153-156	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
Lesson 4-6: Add More than Two 2-Digit Numbers: 157-160	<p>2.NBT.B.6: Add up to four two-digit numbers using strategies based on place value and properties of operations.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 4-7: Practice Adding Using Strategies: 161-164	<p>2.NBT.B.6: Add up to four two-digit numbers using strategies based on place value and properties of operations.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP7: Look for and make use of structure.</p>

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<p>Lesson 4-8: Solve One-Step and Two-Step Problems: 165-168</p>	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.6: Add up to four two-digit numbers using strategies based on place value and properties of operations.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP4: Model with mathematics.</p>
<p>Lesson 4-9: Problem Solving: Model with Math: 169-172</p>	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.6: Add up to four two-digit numbers using strategies based on place value and properties of operations.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>

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Topic Performance Task: 183-184	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Topic 5: Subtract Within 100 Using Strategies	
Lesson 5-1: Subtract Tens and Ones on a Hundred Chart: 189-192	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>

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Lesson 5-2: Count Back to Subtract on an Open Number Line: 193-196	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>
Lesson 5-3: Add Up to Subtract Using an Open Number Line: 197-200	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>
Lesson 5-4: Break Apart Numbers to Subtract: 201-204	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP7: Look for and make use of structure.</p>

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Lesson 5-5: Subtract Using Compensation: 205-208	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP8: Look for and express regularity in repeated reasoning.</p> <p>Math Practice MP4: Model with mathematics.</p>
Lesson 5-6: Practice Subtracting Using Strategies: 209-212	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 5-7: Solve One-Step and Two-Step Problems: 213-216	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Lesson 5-8: Problem Solving: Critique Reasoning: 217-220	<p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Topic Performance Task: 231-232	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
Topic 6: Fluently Subtract Within 100	
Lesson 6-1: Subtract 1-Digit Numbers Using Models: 237-240	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>

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<p>Lesson 6-2: Subtract 2-Digit Numbers Using Models: 241-244</p>	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
<p>Lesson 6-3: Subtract Using Partial Differences: 245-248</p>	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Lesson 6-4: Continue to Subtract Using Partial Differences: 249-252	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 6-5: Practice Subtracting: 253-256	<p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>
Lesson 6-6: Solve One-Step and Two-Step Problems: 257-260	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>

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Lesson 6-7: Problem Solving: Reasoning: 261-264	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>
Topic Performance Task: 275-276	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Topic 7: More Solving Problems Involving Addition and Subtraction	
Lesson 7-1: Represent Addition and Subtraction Problems: 281-284	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP4: Model with mathematics. Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 7-2: Mixed Practice: Solve Addition and Subtraction Problems: 285-288	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them. Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 7-3: Continue Practice with Addition and Subtraction Problems: 289-292	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them. Math Practice MP2: Reason abstractly and quantitatively.</p>

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Lesson 7-4: Solve Two-Step Problems: 293-296	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 7-5: Continue to Solve Two-Step Problems: 297-300	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 7-6: Make True Equations: 301-304	<p>2.NBT.B: Use place value understanding and properties of operations to add and subtract.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>

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Lesson 7-7: Continue to Make True Equations: 305-308	<p>2.NBT.B: Use place value understanding and properties of operations to add and subtract.</p> <p>Math Practice MP2: Reason abstractly and quantitatively. Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 7-8: Problem Solving: Reasoning: 309-312	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP2: Reason abstractly and quantitatively. Math Practice MP7: Look for and make use of structure.</p>
Topic Performance Task: 323-324	<p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>Math Practice MP2: Reason abstractly and quantitatively. Math Practice MP4: Model with mathematics.</p>

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Topic 8: Work with Time and Money	
Lesson 8-1: Solve Problems with Coins: 329-322	<p>2.MD.C.8: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: Example: If you have 2 dimes and 3 pennies, how many cents do you have?</p> <p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 8-2: Continue to Solve Problems with Coins: 333-336	<p>2.MD.C.8: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: Example: If you have 2 dimes and 3 pennies, how many cents do you have?</p> <p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 8-3: Solve Problems with Dollar Bills: 337-340	<p>2.MD.C.8: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: Example: If you have 2 dimes and 3 pennies, how many cents do you have?</p> <p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP7: Look for and make use of structure.</p>

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Lesson 8-4: Continue to Solve Problems with Dollar Bills: 341-344	<p>2.MD.C.8: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: Example: If you have 2 dimes and 3 pennies, how many cents do you have?</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP6: Attend to precision.</p>
Lesson 8-5: Problem Solving: Reasoning: 345-348	<p>2.MD.C.8: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: Example: If you have 2 dimes and 3 pennies, how many cents do you have?</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 8-6: Tell and Write Time to Five Minutes: 349-352	<p>2.MD.C.7: Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.</p> <p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP6: Attend to precision.</p>

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Lesson 8-7: Tell Time Before and After the Hour: 353-356	<p>2.MD.C.7: Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.</p> <p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP4: Model with mathematics.</p>
Lesson 8-8: A.M. and P.M.: 357-360	<p>2.MD.C.7: Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.</p> <p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP6: Attend to precision.</p>
Topic Performance Task: 371-372	<p>2.MD.C.7: Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.</p> <p>2.MD.C.8: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: Example: If you have 2 dimes and 3 pennies, how many cents do you have?</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Topic 9: Numbers to 1,000	
Lesson 9-1: Understand Hundreds: 377-380	<p>2.NBT.A.1a: 100 can be thought of as a bundle of ten tens – called a “hundred.”</p> <p>2.NBT.A.1b: The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
Lesson 9-2: Models and 3-Digit Numbers: 381-384	<p>2.NBT.A.1: Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases: The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).</p> <p>2.NBT.A.3: Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>
Lesson 9-3: Name Place Values: 385-388	<p>2.NBT.A.1: Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases: The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).</p> <p>2.NBT.A.3: Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>

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Lesson 9-4: Read and Write 3-Digit Numbers: 389-392	<p>2.NBT.A.3: Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.</p> <p>2.NBT.A.1: Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases:</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
Lesson 9-5: Different Ways to Name the Same Number: 393-396	<p>2.NBT.A.3: Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.</p> <p>2.NBT.A.1: Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 9-6: Place-Value Patterns with Numbers: 397-400	<p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>2.NBT.B.8: Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP8: Look for and express regularity in repeated reasoning.</p>
Lesson 9-7: Skip Count by 5s, 10s, and 100s to 1,000: 401-404	<p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>2.NBT.B.8: Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP7: Look for and make use of structure.</p>

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Lesson 9-8: Compare Numbers Using Place Value: 405-408	<p>2.NBT.A.4: Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using $>$, $=$, and $<$ symbols to record the results of comparisons.</p> <p>2.NBT.A.1: Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones.</p> <p>Math Practice MP8: Look for and express regularity in repeated reasoning.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 9-9: Compare Numbers on the Number Line: 409-412	<p>2.NBT.A.4: Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using $>$, $=$, and $<$ symbols to record the results of comparisons.</p> <p>2.NBT.A.1: Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP8: Look for and express regularity in repeated reasoning.</p>
Lesson 9-10: Problem Solving: Look For and Use Structure: 413-416	<p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>2.NBT.A.4: Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using $>$, $=$, and $<$ symbols to record the results of comparisons.</p> <p>2.NBT.B.8: Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>

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Topic Performance Task: 427-428	<p>2.NBT.A.1: Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones.</p> <p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>2.NBT.A.3: Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
Topic 10: Add Within 1,000 Using Models and Strategies	
Lesson 10-1: Add 10 and 100: 433-436	<p>2.NBT.B.8: Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>2.MD.C.8: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: Example: If you have 2 dimes and 3 pennies, how many cents do you have?</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Lesson 10-2: Add on an Open Number Line: 437-440	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 10-3: Add Using Models: 441-444	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>

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Lesson 10-4: Continue to Add Using Models and Place Value: 445-448	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 10-5: Add Using Place Value and Partial Sums: 449-452	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>

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Lesson 10-6: Explain Addition Strategies: 453-456	<p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects. 2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 10-7: Problem Solving: Repeated Reasoning: 457-460	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP8: Look for and express regularity in repeated reasoning.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>

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Topic Performance Task: 467-468	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Topic 11: Subtract Within 1,000 Using Models and Strategies	
Lesson 11-1: Subtract 10 and 100: 473-476	<p>2.NBT.B.8: Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>2.MD.C.8: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: Example: If you have 2 dimes and 3 pennies, how many cents do you have?</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>

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<p>Lesson 11-2: Subtract on an Open Number Line: 477-480</p>	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.A.2: Count within 1000; skip-count by 5s, 10s, and 100s.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
<p>Lesson 11-3: Subtract Using Models: 481-484</p>	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>

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<p>Lesson 11-4: Subtract Using Models and Place Value: 485-488</p>	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>2.MD.C.8: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: Example: If you have 2 dimes and 3 pennies, how many cents do you have?</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
<p>Lesson 11-5: Explain Subtraction Strategies: 489-492</p>	<p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Lesson 11-6: Problem Solving: Persevere: 493-496	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Topic Performance Task: 503-504	<p>2.NBT.B.7: Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.</p> <p>2.NBT.B.9: Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Topic 12: Measuring Length	
Lesson 12-1: Estimating Length: 509-512	<p>2.MD.A.3: Estimate lengths using units of inches, feet, centimeters, and meters.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP6: Attend to precision.</p>
Lesson 12-2: Measure with Inches: 513-516	<p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>2.MD.A.3: Estimate lengths using units of inches, feet, centimeters, and meters.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 12-3: Inches, Feet, and Yards: 517-520	<p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>2.MD.A.3: Estimate lengths using units of inches, feet, centimeters, and meters.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>
Lesson 12-4: Measure Length Using Different Customary Units: 521-524	<p>2.MD.A.2: Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.</p> <p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>

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Lesson 12-5: Measure with Centimeters: 525-528	<p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>2.MD.A.3: Estimate lengths using units of inches, feet, centimeters, and meters.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
Lesson 12-6: Centimeters and Meters: 529-532	<p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>2.MD.A.3: Estimate lengths using units of inches, feet, centimeters, and meters.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP6: Attend to precision.</p>
Lesson 12-7: Measure Length Using Different Metric Units: 533-536	<p>2.MD.A.2: Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.</p> <p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>

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<p>Lesson 12-8: Compare Lengths: 537-540</p>	<p>2.MD.A.4: Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.</p> <p>2.MD.B.5: Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
<p>Lesson 12-9: Problem Solving: Precision: 541-544</p>	<p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>2.MD.A.3: Estimate lengths using units of inches, feet, centimeters, and meters.</p> <p>2.MD.A.4: Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>

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Topic Performance Task: 555-556	<p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>2.MD.A.3: Estimate lengths using units of inches, feet, centimeters, and meters.</p> <p>2.MD.B.5: Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others</p> <p>Math Practice MP6: Attend to precision.</p>
Topic 13: Shapes and Their Attributes	
Lesson 13-1: 2-Dimensional Shapes: 561-565	<p>2.G.A.1: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. Sizes are compared directly or visually, not compared by measuring.</p> <p>2.OA.B.2: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Lesson 13-2: Polygons and Angles: 565-568	<p>2.G.A.1: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. Sizes are compared directly or visually, not compared by measuring.</p> <p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 13-3: Draw 2-Dimensional Shapes: 569-572	<p>2.G.A.1: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. Sizes are compared directly or visually, not compared by measuring.</p> <p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>
Lesson 13-4: Cubes: 573-576	<p>2.G.A.1: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. Sizes are compared directly or visually, not compared by measuring.</p> <p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>Math Practice MP7: Look for and make use of structure.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>

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Lesson 13-5: Equal Shares: 577-580	<p>2.G.A.2: Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.</p> <p>2.OA.C.4: Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
Lesson 13-6: Partition Shapes: 581-584	<p>2.G.A.3: Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.</p> <p>2.MD.A.2: Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP4: Model with mathematics.</p>
Lesson 13-7: Equal Shares, Different Shapes: 585-588	<p>2.G.A.3: Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.</p> <p>2.OA.C.4: Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>

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<p>Lesson 13-8: Problem Solving: Repeated Reasoning: 589-592</p>	<p>2.G.A.2: Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.</p> <p>2.OA.C.4: Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.</p> <p>2.G.A.3: Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.</p> <p>Math Practice MP8: Look for and express regularity in repeated reasoning.</p> <p>Math Practice MP4: Model with mathematics.</p>
<p>Topic Performance Task: 603-604</p>	<p>2.G.A.1: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. Sizes are compared directly or visually, not compared by measuring.</p> <p>2.G.A.2: Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.</p> <p>2.G.A.3: Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>

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Topic 14: More Addition, Subtraction, and Length	
Lesson 14-1: Add and Subtract with Measurements: 609-612	<p>2.MD.B.5: Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p>
Lesson 14-2: Find Unknown Measurements: 613-616	<p>2.MD.B.5: Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>

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<p>Lesson 14-3: Continue to Find Unknown Measurements: 617-620</p>	<p>2.MD.B.5: Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
<p>Lesson 14-4: Add and Subtract on a Number Line: 621-624</p>	<p>2.MD.B.6: Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2,..., and represent whole-number sums and differences within 100 on a number line diagram.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>

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<p>Lesson 14-5: Problem Solving: Use Appropriate Tools: 625-628</p>	<p>2.MD.B.5: Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.MD.B.6: Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2,..., and represent whole-number sums and differences within 100 on a number line diagram.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>
<p>Topic Performance Task: 635-636</p>	<p>2.MD.B.5: Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.</p> <p>2.MD.B.6: Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2,..., and represent whole-number sums and differences within 100 on a number line diagram.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>

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Topic 15: Graphs and Data	
Lesson 15-1: Line Plots: 641-644	<p>2.MD.D.9: Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.</p> <p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP5: Use appropriate tools strategically.</p>
Lesson 15-2: More Line Plots: 645-648	<p>2.MD.D.9: Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.</p> <p>2.MD.A.1: Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.</p> <p>Math Practice MP6: Attend to precision.</p> <p>Math Practice MP4: Model with mathematics.</p>

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Lesson 15-3: Bar Graphs: 649-652	<p>2.MD.D.10: Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>
Lesson 15-4: Picture Graphs: 653-656	<p>2.MD.D.10: Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP3: Construct viable arguments and critique the reasoning of others.</p>

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<p>Lesson 15-5: Draw Conclusions from Graphs: 657-660</p>	<p>2.MD.D.10: Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p> <p>Math Practice MP7: Look for and make use of structure.</p>
<p>Lesson 15-6: Problem Solving: Reasoning: 661-664</p>	<p>2.MD.D.10: Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>Math Practice MP2: Reason abstractly and quantitatively.</p> <p>Math Practice MP1: Make sense of problems and persevere in solving them.</p>

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<p>Topic Performance Task: 675-676</p>	<p>2.MD.D.10: Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.</p> <p>2.OA.A.1: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.</p> <p>2.MD.D.9: Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.</p> <p>Math Practice MP4: Model with mathematics.</p> <p>Math Practice MP6: Attend to precision.</p>