

Grade 2 Math (Master)

Teacher: Brad Klein

September 2020

Content	Skills	Standards	Learning Targets	Assessment	Resources & Technology
<p>*WHAT STRATEGIES DO WE USE TO SOLVE MATH PROBLEMS?</p> <p>*HOW DO WE USE MATH IN OUR EVERYDAY LIVES?</p> <p>UEQ: *How do we use coins and time? *What patterns do we see in numbers? *How do we compare numbers?</p> <p>A. Unit 1: Numbers and Routines</p>	<p>A. Unit 1: Numbers and Routines</p> <p>A1. Count coin combinations.</p> <p>A2. Tell time to nearest half hour.</p> <p>A3. Identify and complete number patterns.</p>	<p>A. Unit 1: Numbers and Routines</p> <p>T1. 2.1.1.1</p> <p>T4. 2.1.1.5</p> <p>T9. 2.1.1.3</p> <p>T13. 2.2.1.1</p> <p>T14. 2.1.1.1 & 2.2.2.2</p>	<p>A. Unit 1: Numbers and Routines</p> <p>T1= I can read, write, and represent whole numbers up to 1,000.</p> <p>T4= I can order numbers from least to greatest.</p> <p>T5= I can tell when a number is greater than, less than, or equal to</p>	<p>A. Unit 1: Numbers and Routines</p> <p>CFA=Weekly Timed Fact Quizzes CFA= Unit 1 Quiz #1 CFA=Unit 1 Quiz #2 CSA=Unit 1 Written Assessment</p> <p><i>Optional Teacher Selected Quizzes:</i> <i>*Math Boxes</i> <i>*Mid-Unit Quizzes</i></p>	

<p>A1. Coins A2. Time A3. Number Patterns A4. Compare and order whole numbers</p>	<p>A4. Compare and order whole numbers.</p>		<p>another number.</p> <p>T9= I can find 10, 100 more and 10, 100 less than a number.</p> <p>T13= I can find number patterns and use them to solve problems.</p> <p>T14= I can solve number sentences with a missing number (unknown).</p>	<p><i>*Slate Assessments</i></p>	
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October

Content	Skills	Standards	Learning Targets	Assessment	Resources & Technology
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<p>UEQ: *Why is Fact Power so important? *Where and when do we subtract and add math facts?</p> <p>B. Unit 2 : Addition and Subtraction Facts</p> <p>B1. Addition Facts B2. Subtraction Facts B3. Routines</p>	<p>B. Unit 2 : Addition and Subtraction Facts</p> <p>B1. Recall and practice addition facts.</p> <p>B2. Recall and practice subtraction facts.</p> <p>B3. a. Explore relationships between facts and fact families. b. Find missing numbers for "What's My Rule?" c. Generate equivalent names for numbers.</p>	<p>B. Unit 2 : Addition and Subtraction Facts</p> <p>T6. 2.1.2.5 & 2.1.2.1</p> <p>T7. 2.1.2.6 & 2.1.2.1</p> <p>T10. 2.1.2.1 & 2.1.2.1</p> <p>T13. 2.2.1.1</p> <p>T14. 2.2.2.1 & 2.2.2.2</p>	<p>B. Unit 2 : Addition and Subtraction Facts</p> <p>T6= I can use addition strategies to solve addition problems.</p> <p>T7= I can use subtraction strategies to solve subtraction problems.</p> <p>T10= I can use addition facts to help with subtraction facts.</p> <p>T12= I can solve number stories.</p> <p>T13= I can find number patterns and use them to solve problems.</p> <p>T14= I can solve number sentences with a missing number (unknown).</p>	<p>B. Unit 2 : Addition and Subtraction Facts</p> <p>CFA=Weekly Timed Fact Quizzes CFA= Unit 2 Quiz #1 CFA=Unit 2 Quiz #2 CSA=Unit 2 Written Assessment</p> <p><i>Optional Teacher Selected Quizzes:</i> <i>*Math Boxes</i> <i>*Mid-Unit Quizzes</i> <i>*Slate Assessments</i></p>	
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November

Content	Skills	Standards	Learning Targets	Assessment	Resources & Technology
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<p>UEQ: * How do we use coins and time? * What is place value?</p> <p>C. Unit 3: Place Value, Money, and time</p> <p>C1. Place Value C2. Money C3. Time C4. Data Analysis</p>	<p>C. Unit 3: Place Value, Money, and time</p> <p>C1. Identify place value.</p> <p>C2. a. Recognize coin values and coin combinations. b. Make Change by counting up.</p> <p>C3. Show time to the nearest half hour.</p> <p>C4. Analyze data.</p>	<p>C. Unit 3: Place Value, Money, and time</p> <p>T1. 2.1.1.1</p> <p>T2. 2.1.1.2</p> <p>T6. 2.1.2.5</p> <p>T8. 2.1.2.6</p> <p>T13. 2.2.1.1</p> <p>T18. 2.3.3.1</p>	<p>C. Unit 3: Place Value, Money, and time</p> <p>T1= I can read, write, and represent whole numbers up to 1,000.</p> <p>T2= I can use place value to tell the value of each digit in a whole number.</p> <p>T6= I can use addition strategies to solve addition problems.</p> <p>T8= I can use information given on a graph to answer questions.</p> <p>T12= I can solve number stories.</p> <p>T13= I can find number patterns and use them to solve problems.</p> <p>T18= I can tell time to the quarter hour.</p>	<p>C. Unit 3: Place Value, Money, and time</p> <p><i>CFA=Weekly Timed Fact Quizzes</i> <i>CFA= Unit 3 Quiz #1</i> <i>CFA=Unit 3 Quiz #2</i> <i>CSA=Unit 3 Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i> <i>*Math Boxes</i> <i>*Mid-Unit Quizzes</i> <i>*Slate Assessments</i></p>	
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December

Content	Skills	Standards	Learning Targets	Assessment	Resources & Technology
<p>UEQ: *How is estimating helpful in solving problems?</p> <p>D. Unit 4: Addition and Subtraction</p> <p>D1. Solving Number Stories D2. Measuring Temperature D3. Estimating D4. Time D5. 2-Digit Addition</p>	<p>D. Unit 4: Addition and Subtraction</p> <p>D1. a. Use change-to-more diagram to solve number stories. b. Use a parts-and -total diagram to solve number stories.</p> <p>D2. Read a thermometer.</p> <p>D3. Estimate and solve 2-digit addition problems.</p> <p>D4. Tell time to the quarter hour.</p> <p>D5. a. Use paper-pencil strategies for</p>	<p>D. Unit 4: Addition and Subtraction</p> <p>T2. 2.1.1.2 T3. 2.1.1.4 T9. 2.1.1.3 T11. 2.1.2.5 & 2.1.2.6 T13. 2.2.1.1 T18. 2.3.3.1 T20. 2.3.3.2 T21. 2.3.3.2</p>	<p>D. Unit 4: Addition and Subtraction</p> <p>T2= I can use place value to tell the value of each digit in a whole number.</p> <p>T3= I can round numbers to the nearest 10 & 100.</p> <p>T9= I can find 10, 100 more and 10, 100 less than a number.</p> <p>T11= I can break a 2-digit number into tens and ones to solve addition & subtraction problems.</p> <p>T12= I can solve number stories.</p> <p>T13= I can find number patterns and use them to solve problems.</p> <p>T18= I can tell time to the quarter hour.</p>	<p>D. Unit 4: Addition and Subtraction</p> <p><i>CFA=Weekly Timed Fact Quizzes</i> <i>CFA= Unit 4 Quiz #1</i> <i>CFA=Unit 4 Quiz #2</i> <i>CSA=Unit 4 Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i> <i>*Math Boxes</i> <i>*Mid-Unit Quizzes</i> <i>*Slate Assessments</i></p>	

<p>UEQ: *What are 2-D and 3-D shapes?</p> <p>E. Unit 5: 2-D & 3-D Shapes</p> <p>E1. Points and Line Segments E2. Parallel Line Segments E3. Quadrangles E4. 3-D Shapes E5. Line Symmetry</p>	<p>adding 2-digit numbers. b. Use the partial-sums algorithm.</p> <p>E. Unit 5: 2-D & 3-D Shapes</p> <p>E1. Define, name, and draw line segments.</p> <p>E2. Identify parallel line segments.</p> <p>E3. Compare the characteristics of various quadrangles.</p> <p>E4. Compare and contrast the characteristics of 3-D shapes.</p> <p>E5. Find lines of symmetry in objects.</p>	<p>E. Unit 5: 2-D & 3-D Shapes</p> <p>T1. 2.1.2.2 T2. 2.3.1.1</p>	<p>T20= I can identify pennies, nickels, dimes, and quarters.</p> <p>T21= I can find the value of a group of coins.</p> <p>E. Unit 5: 2-D & 3-D Shapes</p> <p>T10= I can use addition facts to help with subtraction facts.</p> <p>T15= I can identify, describe, and compare shapes by their attributes.</p>	<p>E. Unit 5: 2-D & 3-D Shapes</p> <p><i>CFA=Weekly Timed Fact Quizzes</i> <i>CFA= Unit 5 Quiz #1</i> <i>CFA=Unit 5 Quiz #2</i> <i>CSA=Unit 5 Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i> <i>*Math Boxes</i> <i>*Mid-Unit Quizzes</i> <i>*Slate Assessments</i></p>	
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January

Content	Skills	Standards	Learning Targets	Assessment	Resources & Technology
<p>UEQ: *How do you know which operation to use to in order to solve number stories?</p> <p>F. Unit 6: Whole-Number Operations and Number Stories</p> <p>F1. Addition Number Stories F2. Subtraction Number Stories F3. Multiplication Number Stories F4. Division Number Stories</p>	<p>F. Unit 6: Whole-Number Operations and Number Stories</p> <p>F1. a. Write a number model and label unit. b. Add three one digit numbers. c. Choose a diagram to solve a number problem.</p> <p>F2. a. Write a number model and label unit. b. Use manipulatives to model one and two digit subtraction. c. Choose a diagram to solve a number problem.</p>	<p>F. Unit 6: Whole-Number Operations and Number Stories</p> <p>T1. 2.1.1.1 T3. 2.1.1.4 T6. 2.1.2.5 T7. 2.1.2.6 T11. 2.1.2.5 T11. 2.1.2.6 T12. 2.1.2.6, 2.2.2.1, & 2.2.2.2 T13. 2.2.1.1 T18. 2.3.3.1</p>	<p>F. Unit 6: Whole-Number Operations and Number Stories</p> <p>T1= I can read, write, and represent whole numbers up to 1,000.</p> <p>T3= I can round numbers to the nearest 10 & 100.</p> <p>T6= I can use addition strategies to solve addition problems.</p> <p>T7= I can use subtraction strategies to solve subtraction problems.</p> <p>T11= I can break a 2-digit number into tens and ones to solve addition & subtraction problems.</p> <p>T12= I can solve number stories.</p>	<p>F. Unit 6: Whole-Number Operations and Number Stories</p> <p><i>CFA=Weekly Timed Fact Quizzes</i> <i>CFA= Unit 6 Quiz #1</i> <i>CFA=Unit 6 Quiz #2</i> <i>CSA=Unit 6 Written Assessment</i> <i>CSA= Mid Year Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i> <i>*Math Boxes</i> <i>*Mid-Unit Quizzes</i> <i>*Slate Assessments</i></p>	<p>F1. 2-Digit Subtraction Poster</p>

	<p>F3.</p> <ul style="list-style-type: none">a. Write a number model and label unit.b. Choose a diagram to solve a number problem.c. Use arrays, manipulatives, and pictures to model multiplication. <p>F4.</p> <ul style="list-style-type: none">a. Write a number model and label unit.b. Choose a diagram to solve a number problem.c. Use manipulatives to model equal groupings and sharing.		<p>T13= I can find number patterns and use them to solve problems.</p> <p>T18= I can tell time to the quarter hour.</p>		
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February

Content	Skills	Standards	Learning Targets	Assessment	Resources & Technology
<p>UEQ *Where do we see patterns in math? *How can patterns help solve problems?</p> <p>G. Unit 7: Patterns and Rules</p> <p>G1. Patterns G2. Probability</p>	<p>G. Unit 7: Patterns and Rules</p> <p>G1. a. Count by 2's, 5's, and 10's. b. Double and halve numbers.</p> <p>G2. a. Collect and organize data. b. Identify the median and mode.</p>	<p>G. Unit 7: Patterns and Rules</p> <p>T4. 2.1.1.5 T6. 2.1.2.5 T8. 2.1.2.6 T9. 2.1.1.3 T12. 2.1.2.5 & 2.1.2.6 T13. 2.2.1.1 T14. 2.2.2.1 & 2.2.2.2</p>	<p>G. Unit 7: Patterns and Rules</p> <p>T4= I can order numbers from least to greatest.</p> <p>T6= I can use addition strategies to solve addition problems.</p> <p>T8= I can use information given on a graph to answer questions.</p> <p>T9= I can find 10, 100 more and 10, 100 less than a number.</p> <p>T12= I can solve number stories.</p> <p>T13= I can find number patterns and use them to solve problems.</p> <p>T14= I can solve number sentences with a missing number (unknown).</p>	<p>G. Unit 7: Patterns and Rules</p> <p><i>CFA=Weekly Timed Fact Quizzes</i> <i>CFA= Unit 7 Quiz #1</i> <i>CFA=Unit 7 Quiz #2</i> <i>CSA=Unit 7 Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i> <i>*Math Boxes</i> <i>*Mid-Unit Quizzes</i> <i>*Slate Assessments</i></p>	

March

Content	Skills	Standards	Learning Targets	Assessment	Resources & Technology
<p>UEQ *What are fractions?</p> <p>H. Unit 8: Fractions</p> <p>H1. Fraction Concepts</p> <p>H2. Fraction Number Stories</p>	<p>H. Unit 8: Fractions</p> <p>H1.</p> <p>a. Model fractions as equal parts of a region.</p> <p>b. Identify fractions of collections.</p> <p>c. Use manipulatives to model equivalent fractions.</p> <p>H2.</p> <p>a. Solve fraction number stories.</p>	<p>H. Unit 8: Fractions</p> <p>T6. 2.1.2.5</p> <p>T12. 2.2.1.1</p>	<p>H. Unit 8: Fractions</p> <p>T6= I can use addition strategies to solve addition problems.</p> <p>T12= I can solve number stories.</p>	<p>H. Unit 8: Fractions</p> <p><i>CFA=Weekly Timed Fact Quizzes</i></p> <p><i>CFA= Unit 8 Quiz #1</i></p> <p><i>CFA=Unit 8 Quiz #2</i></p> <p><i>CSA=Unit 8 Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i></p> <p><i>*Math Boxes</i></p> <p><i>*Mid-Unit Quizzes</i></p> <p><i>*Slate Assessments</i></p>	

<p>UEQ: *How is measurement used in everyday life?</p> <p>I. Unit 9: Measurement</p> <p>I1. Linear Measures</p> <p>I2. Perimeter</p> <p>I3. Area</p> <p>I4. Capacity</p> <p>I5. Weight</p>	<p>I. Unit 9: Measurement</p> <p>I1.</p> <p>a. Make estimations.</p> <p>b. Measure to the nearest half centimeter and half inch.</p> <p>c. Use yards and meters to measure longer distances.</p> <p>I2.</p> <p>a. Make estimations.</p> <p>b. Find the perimeter of various designs.</p> <p>I3.</p> <p>a. Make estimations.</p> <p>b. Find the area of various designs.</p> <p>I4.</p> <p>a. Make estimations.</p> <p>b. Identify equivalent</p>	<p>I. Unit 9: Measurement</p> <p>T3. 2.1.1.4</p> <p>T4. 2.1.1.5</p> <p>T11. 2.1.2.4, 2.1.2.5, & 2.1.2.6</p> <p>T16 2.3.2.1</p> <p>T17 2.3.2.2</p>	<p>I. Unit 9: Measurement</p> <p>T3= I can round numbers to the nearest 10 & 100.</p> <p>T4= I can order numbers from least to greatest.</p> <p>T11= I can break a 2-digit number into tens and ones to solve addition & subtraction problems.</p> <p>T16= I can choose the best unit of measurement to measure the length of an object.</p> <p>T17= I can measure and draw lines to the nearest centimeter or inch.</p>	<p>I. Unit 9: Measurement</p> <p><i>CFA=Weekly Timed Fact Quizzes</i></p> <p><i>CFA= Unit 9 Quiz #1</i></p> <p><i>CFA=Unit 9 Quiz #2</i></p> <p><i>CSA=Unit 9 Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i></p> <p><i>*Math Boxes</i></p> <p><i>*Mid-Unit Quizzes</i></p> <p><i>*Slate Assessments</i></p>	
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	<p>measures of capacity.</p> <ul style="list-style-type: none">c. Explore relationships between units of capacity. <p>15.</p> <ul style="list-style-type: none">a. Make estimations.b. Compare weights by feel.c. Identify purposes of various scales.d. Explore units of weight and equivalent measures.					
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April

Content	Skills	Standards	Learning Targets	Assessment	Resources & Technology
<p>UEQ: Why is it important to count money and make change?</p> <p>J. Unit 10: Decimals and Place Values</p> <p>J1. Money J2. Place Values</p>	<p>J. Unit 10: Decimals and Place Values</p> <p>J1. Read and write money amounts in decimals notation. J1. Estimate and make change.</p> <p>J2. Read, write, and model numbers to ten-thousands. J2. Identify the values of digits in various numbers.</p>	<p>J. Unit 10: Decimals and Place Values</p> <p>T2. 2.1.1.2</p> <p>T3. 2.1.1.4 & 2.1.2.3</p> <p>T21. 2.3.3.2</p>	<p>J. Unit 10: Decimals and Place Values</p> <p>T2= I can use place value to tell the value of each digit in a whole number.</p> <p>T3= I can round numbers to the nearest 10 & 100.</p> <p>T21= I can find the value of a group of coins.</p>	<p>J. Unit 10: Decimals and Place Values</p> <p><i>CFA=Weekly Timed Fact Quizzes</i> <i>CFA= Unit 10 Quiz #1</i> <i>CFA=Unit 10 Quiz #2</i> <i>CSA=Unit 10 Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i> <i>*Math Boxes</i> <i>*Mid-Unit Quizzes</i> <i>*Slate Assessments</i></p>	

May

Content	Skills	Standards	Learning Targets	Assessment	Resources & Technology
<p>UEQ: How do you know what operation to use to solve number stories?</p> <p>K. Unit 11 Whole Number Operations Revisited</p> <p>K1. Addition/Subtraction algorithms</p> <p>K2. Multiplication/Division algorithms</p>	<p>K. Unit 11 Whole Number Operations Revisited</p> <p>K1. Use and explain strategies to solve algorithms.</p> <p>K2. Use and explain strategies to solve algorithms.</p>	<p>K. Unit 11 Whole Number Operations Revisited</p> <p>T3. 2.1.1.4</p> <p>T11. 2.1.2.5 & 2.1.2.6</p> <p>T13. 2.2.1.1</p>	<p>K. Unit 11 Whole Number Operations Revisited</p> <p>T3= I can round numbers to the nearest 10 & 100.</p> <p>T11= I can break a 2-digit number into tens and ones to solve addition & subtraction problems.</p> <p>T13= I can find number patterns and use them to solve problems.</p>	<p>K. Unit 11: Whole Number Operations Revisited</p> <p><i>CFA=Weekly Timed Fact Quizzes</i></p> <p><i>CFA= Unit 11 Quiz #1</i></p> <p><i>CFA=Unit 11 Quiz #2</i></p> <p><i>CSA=Unit 11 Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i></p> <p><i>*Math Boxes</i></p> <p><i>*Mid-Unit Quizzes</i></p> <p><i>*Slate Assessments</i></p>	

<p>UEQ: How do we use what we've learned so far?</p> <p>L. Unit 12: Year End Review and Extensions</p> <p>L1. Time L2. Multiplication/Division L3. Graphs L4. Probability</p>	<p>L. Unit 12: Year End Review and Extensions</p> <p>L1. Write and tell time to the nearest five minute interval.</p> <p>L2. Use strategies to solve multiplication and division problems.</p> <p>L3. Use given data to create a bar graph. L3. Use a bar graph to answer questions and draw conclusions.</p> <p>L4. Find mode and median of a data set.</p>	<p>L. Unit 12: Year End Review and Extensions</p> <p>T8. 2.1.2.6</p> <p>T9. 2.1.1.3</p>	<p>L. Unit 12: Year End Review and Extensions</p> <p>T8= I can use information given on a graph to answer questions.</p> <p>T9= I can find 10, 100 more and 10, 100 less than a number.</p>	<p>L. Unit 12: Year End Review and Extensions</p> <p><i>CFA=Weekly Timed Fact Quizzes</i> <i>CFA= Unit 12 Quiz #1</i> <i>CFA=Unit 12 Quiz #2</i> <i>CSA=Unit 12 Written Assessment</i> <i>CSA=End of the Year Written Assessment</i></p> <p><i>Optional Teacher Selected Quizzes:</i> <i>*Math Boxes</i> <i>*Mid-Unit Quizzes</i> <i>*Slate Assessments</i></p>	
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