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| Grade: 1 Unit: 5 | Number and Operations in Base 10- Tens and Ones | 5 Weeks |
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| Progression | |
| K | Students learned to work with numbers 11-19 to gain foundations for place value. |
| 1st Grade | Students will learn to compare two-digit numbers and add within 100. |
| 2 nd Grade | Students will extend comparing to three-digit numbers and add within 1000. |

STUDENT LEARNING GOALS

Mathematics Standards (*Appendices A & B*)

[1.NBT.B.2a](#): 10 can be thought of as a bundle of ten ones — called a "ten."

[1.NBT.B.2c](#): The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).

[1.NBT.B.3](#): Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols $>$, $=$, and $<$.

[1.NBT.C.4](#): Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, 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 and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten.

(Include MP1 and MP6 for all units for 2014-2015)

[MP1](#): Make sense of problems and persevere in solving them.

[MP6](#): Attend to Precision

| <i>Interdisciplinary Standards</i> | | Key Vocabulary | |
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| Technology Integration <i>(Appendix C)</i> | 21st Century Skills <i>(Appendix D)</i> | $<$ $>$ Digit Greater than Less than | Make a ten More than Place value |
| IS1. Information Strategies IS2. Information Use | TCS1. Use of Information TCS5. Problem Solving | | |
| Enduring Understandings (MI p.97) <ul style="list-style-type: none"> I can rename numbers as tens and ones. I can compare two-digit numbers. I can add tens to any number. I can add tens and ones. I can regroup to add two-digit numbers. | | Essential Questions <ul style="list-style-type: none"> How do you rename numbers as tens and ones? How do you compare two-digit numbers? How can we add tens and ones? What is regrouping? | |

| Assessment Plan | | | |
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| Summative Assessment(s)/Performance Based Assessments including 21st Century Learning | | Formative and Diagnostic Assessment(s) | |
| RCC Unit 5 Review, MI p.118-120 RCC Unit 5 Practice, PPS p.61-64 | | STAR Math Assessment (Fall) RCC Embedded Tasks and Assessments | |
| Learning Plan Components | | | |
| Text | Ready Common Core Mathematics Instruction 1, 2014, Curriculum Associates, ISBN: 978-0-7609-8861-9 | | |
| Print | Ready Common Core Mathematics Teacher Resource Book 1, 2014, Curriculum Associates, ISBN: 978-0-7609-8857-2 | | |
| Electronic | www.teacher-toolbox.com www.stratfordmath.wikispaces.com www.xtramath.org | | |
| Week 1 | Students will: <ul style="list-style-type: none"> • Represent two-digit numbers as tens and ones. • Decompose a two-digit number as some tens and some ones in multiple ways. • Model a two-digit number in multiple ways. | | |
| Lessons | Tasks / Activities | Worksheets | Technology |
| <u>RCC Lesson 21:</u> *Understand Tens and Ones (TRB p.161-167) *Engage NY Lessons | *Base Ten Blocks- Tens and Ones *Tens and Ones Riddle Game *Build a Train & Recording Sheet *Base Ten Concentration *Tens and Ones | MI p.98-101 PPS p.55 *SF R, P, E & PS 7-4 *SF R, P, E & PS 8-2 *Finding Value with Place Value Blocks *Writing with Tens and Ones *Write the Number of Tens and Ones *Place Value to Tens Worksheet *Place Value Assessment *Engage NY 1-4 | *RCC Interactive Lesson- Grouping into Tens and Ones *RCC Interactive Lesson- Regrouping Tens as Ones *Online Game: Base Ten *Online Game: Partitioning Numbers Online Game: Shark Numbers *Online Game: Expanded Form *Online Game: Ones and Tens *Online Video Learn Numbers: Tens and Ones *Online Video: Place Value Tens and Ones Instructional Video |

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| Week 2 | Students will: <ul style="list-style-type: none"> • Understand the meaning of the symbols $<$ and $>$. • Compare the value of two-digit numbers using tens and ones. • Write the symbols $<$, $>$, and $=$ to compare two two-digit numbers. |
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| Lessons | Tasks / Activities | Worksheets | Technology |
|---|---|---|---|
| <u>RCC Lesson 22:</u> *Compare Numbers (TRB p.168-174) *Engage NY Lessons | *Froot Loop Math *Compare the Roll *Ten Frame Compare & Recording Sheet *Pac-Man Eats the Bigger Number & 1 (Enrichment 2 & 3) | MI p.102-105 PPS p.56 *SF R, P, E & PS 8-7 *Comparing Two Digit Numbers (Enrichment) *Greater, Less, Equal Packet *In the Castle *What's Cooking? *Shiny Shields *Comparing Numbers *Engage NY Lessons 1-5 | *RCC Interactive Lesson- Comparing Numbers to 100 Using Symbols *Online Game: Balloon Pop Math *Online Game: Greater Than or Less Than *Online Video: Greater Than, Less Than, Equal to Symbols *Online Song: Greater Than, Less Than, Equal *Online Video: Greater Than or Less Than *Online Video: UMIGO-Greater Than Less Than (Comparisons) |

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| Week 3 | Students will: <ul style="list-style-type: none"> • Add multiples of ten to any two-digit number. • Apply strategies to addition of two-digit numbers. • Model addition involving tens. |
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| Lessons | Tasks / Activities | Worksheets | Technology |
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| <u>RCC Lesson 23:</u> Add Tens to Any Number (TRB p.175-181) *Engage NY Lessons | *Adding Tens to a 2 Digit Number *Adding a Multiple of 10 *Cookie Swap | MI p.106-109 PPS p.57 *SF R, P, E & PS 12-2 *Extra Large Shower *Adding Tens on a Hundreds Chart *Adding 10 to a Two-Digit Number *Engage NY Lessons 1 & 2 | *RCC Interactive Lesson- Regrouping Tens as Ones *RCC Interactive Lesson- Adding a Two-Digit Number and a Multiple of 10 Parts 1 & 2 |

| Week 4 | Students will: <ul style="list-style-type: none"> • Model addition of two-digit numbers. • Add two-digit numbers without regrouping. | | |
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| Lessons | Tasks / Activities | Worksheets | Technology |
| <u>RCC Lesson 24:</u> Add Tens and Add Ones (TRB p.182-188) *Engage NY Lessons | *Adding Two Digit and One Digit Numbers *Addition Split | MI p.110-113 PPS p.58 *SF R, P, E & PS 12-3 *Math at the Pond *Beautiful Bubbles *Shell Shopping *Hopping Off to School *Ferris Wheel Figures *Addition and Subtraction Packet *Engage NY Lessons 1-10 | *RCC Interactive Lesson- Regrouping Tens as Ones *RCC Interactive Lesson- Adding a Two-Digit Number and a Multiple of 10 Parts 1 & 2 |
| Week 5 | Students will: <ul style="list-style-type: none"> • Add two-digit numbers with regrouping • Compose a ten when adding ones • Relate two-digit addition with regrouping to two-digit addition without regrouping and to the “make a ten” strategy | | |
| Lessons | Tasks / Activities | Worksheets | Technology |
| <u>RCC Lesson 25:</u> Add and Regroup (TRB p.189-195) *Engage NY Lessons | *2-Digit Addition Scoot *2-Digit Addition with Regrouping *Add with Regrouping & Recording Sheet | MI p.114-117 PPS p.59 *SF R, P, E & PS 12-4 *Batty Games *Cowpoke Calculations *A Sudden Wind *Adding 2 Digit Numbers *Engage NY Lessons 1-16 | *RCC Interactive Lesson- Adding a Two-Digit Number and a One-Digit Number *RCC Interactive Lesson- Adding Two-Digit Numbers *Online Game: Ghostbusters III *Online Game: Funny Numbers |
| Summative Assessment | | Performance Task | |
| RCC Unit 5 Review -MI p. 118-120 -Scoring Guide (TRB p. 196-197) | | RCC Unit 5 Practice -PPS p.61-64 -Rubric (Teacher-Toolbox) | |