# Smarter Balanced Assessment Consortium GRADE 3 Number and Operations in Base Ten

*Student Learning Objective: Students will use place value understanding and properties of operations to perform multi-digit arithmetic.*

| **ABOVE STANDARD** | |
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| *Students are working to solidify the following skills:* | *Educator-recommended next steps and Digital Library resources* |
| * Round to the nearest ten or hundred * Add and subtract (including regrouping) to balance an equation; solve for a third addend * Developmental calculation skills using compatible numbers * Identify a proportional relationship * Solve multi-step problems using various operations | Instructional next-steps include, helping students to:   * Understand how to rearrange or use different forms of numbers to round. Digital Library Examples: [Task Rearranging Digits Understand Place Value](https://www.smarterbalancedlibrary.org/content/task-rearranging-digits-understand-place-value); [Expanded Form Plus](https://www.smarterbalancedlibrary.org/content/expanded-form-plus) * Discover subtraction errors in student work. Digital Library Example: [Grade 4 Mistake Detectives: Subtraction with Place Value and Algorithm](https://www.smarterbalancedlibrary.org/content/grade-4-mistake-detectives-subtraction-place-value-and-algorithm) * Solve multiplication problems using a variety of strategies and solve problems using visual representations. Digital Library Examples: [Multiplication Grade 3](https://www.smarterbalancedlibrary.org/content/multiplication-grade-3); [Challenging Real World Word Problem](https://www.smarterbalancedlibrary.org/content/challenging-real-world-word-problem) |

| **AT/NEAR STANDARD** | |
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| *Students are working to solidify the following skills:* | *Educator-recommended next steps and Digital Library resources* |
| * Round a three-digit number to the nearest ten or hundred and numbers ending in five * Regroup twice using subtraction * Solve mathematical equations using addition and subtraction * Solve a problem using background knowledge or provided data * Multiply one-digit whole numbers with a base ten | Instructional next-steps include, helping students to:   * Conceptually understand place value and rounding. Digital Library Examples: [Rounding to 100 Game](https://www.smarterbalancedlibrary.org/content/rounding-100-game); [Place Value - Rounding on the Number Line](https://www.smarterbalancedlibrary.org/content/place-value-rounding-number-line); [Using Place Value Understanding to Round Whole Number](https://www.smarterbalancedlibrary.org/content/using-place-value-understanding-round-whole-numbers); [Place Value Rumble](https://www.smarterbalancedlibrary.org/content/place-value-rumble) * Become more fluent with multiple digit addition and subtraction. Digital Library Examples: [Silent Subtraction Relay](https://www.smarterbalancedlibrary.org/content/silent-subtraction-relay); [Chip Trading: Representation Addition Regrouping Three Digits](https://www.smarterbalancedlibrary.org/content/chip-trading-representations-addition-regrouping-three-digits) * Multiply using multiples of 10. Digital Library Example: [Multiplying by Multiples of Ten – Quick Assessment](https://www.smarterbalancedlibrary.org/content/multiplying-multiples-ten-quick-assessment) |

| **BELOW STANDARD** | |
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| *Students are working to solidify the following skills:* | *Educator-recommended next steps and Digital Library resources* |
| * Round a two-digit number to the nearest ten and a three-digit number to the nearest ten or hundred * Subtract two-digit numbers from two or three-digit numbers * Regroup (carry) twice with addition * Count by tens; skip-count * Solve a word problem with multiplication and division | Instructional next-steps include, helping students to:   * Visualize rounding and discriminate between rounding to tens vs. hundreds. Digital Library Examples: [Rounding to 100 Game](https://www.smarterbalancedlibrary.org/content/rounding-100-game); [Rounding](https://www.smarterbalancedlibrary.org/content/rounding); [Place Value - Rounding on the Number Line](https://www.smarterbalancedlibrary.org/content/place-value-rounding-number-line); [Using Place Value Understanding to Round Whole Numbers](https://www.smarterbalancedlibrary.org/content/using-place-value-understanding-round-whole-numbers) * Develop strategies for addition and subtraction with regrouping. Digital Library Examples: [Adding and Subtracting 1, 10 and 100 with Ant Junior](https://www.smarterbalancedlibrary.org/content/adding-and-subtracting-1-10-and-100-ant-junior); [Chip Trading: Representations Addition Regrouping Three Digits](https://www.smarterbalancedlibrary.org/content/chip-trading-representations-addition-regrouping-three-digits); Take it Away! Dice and Blocks |