# 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)
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| **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)
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| **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
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