Topic H

Interpretation of Numerical Expressions

**5.OA.1, 5.OA.2**

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| Focus Standard: | 5.OA.1 | Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols. |
| 5.OA.2 | Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them. *For example, express the calculation “add 8 and 7, then multiply by 2” as 2 × (8 +7). Recognize that 3 × (18932 + 921) is three times as large as 18932 + 921, without having to calculate the indicated sum or product.* |
| Instructional Days: | 2 |   |
| Coherence -Links from: | G4–M5 | Fraction Equivalence, Ordering, and Operations |
| G5–M2 | Multi-Digit Whole Number and Decimal Fraction Operations |
|  -Links to: | G6–M2 | Arithmetic Operations Including Division of Fractions |
| G6–M4 | Expressions and Equations |

The module concludes with Topic H, in which numerical expressions involving fraction-by-fraction multiplication are interpreted and evaluated (**5.OA.1**, **5.OA.2**).Students create and solve word problems involving both multiplication and division of fractions and decimal fractions.

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| A Teaching Sequence Toward Mastery of Interpretation of Numerical Expressions |
| Objective 1: Interpret and evaluate numerical expressions including the language of scaling and fraction division.(Lesson 32) |
| Objective 2: Create story contexts for numerical expressions and tape diagrams, and solve word problems.(Lesson 33) |