



Topic H

Interpretation of Numerical Expressions

5.OA.1, 5.OA.2

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. <i>For example, express the calculation “add 8 and 7, then multiply by 2” as $2 \times (8 + 7)$. Recognize that $3 \times (18932 + 921)$ is three times as large as $18932 + 921$, without having to calculate the indicated sum or product.</i>
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.

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)