

FRACTIONS

FR1–3 Pre-Assessment

FR1–3 Pre-Assessment Answer Key

Unit [Standards]	Goals [Pre-Assessment problem(s)]
FR 1 Fraction Concepts and Equivalence <i>[3.NF.A, 4.NF.A]</i>	• Write inequalities that compare fractions. [1] • Estimate the location of fractions on a number line. [2] • Convert between mixed numbers and improper fractions using pictures and procedures. [3, 4] • Write a fraction in equivalent ways using pictures and procedures. [3, 4, 5, 6] • Clearly explain thinking about fraction concepts. [5] • Solve problems using non-routine strategies. [embedded in unit]
FR 2 Fraction Addition and Subtraction <i>[4.NF.B, 5.NF.A]</i>	• Add fractions mentally. [1] • Estimate fraction sums and differences. [2] • Add and subtract fractions using pictures and procedures. [3, 4, 5] • Explain why common denominators are needed to add and subtract fractions and address typical misconceptions for adding and subtracting fractions. [6]
FR 3 Fraction Multiplication and Division <i>[5.NF.B, 6.NF.A]</i>	• Multiply any combination of whole numbers, fractions, or mixed numbers using pictures and procedures. [1, 2] • Make sense of dividing fractions using either the "divide-across" or the "multiply-by-the-reciprocal" rule. [3, 4] • Explain or show pictorially where the rules for multiplying and dividing fractions come from. [5]