

2/3-7/2020 4th Grade

Overview of Module Topics and Lesson Objectives

Standards	Topics and Objectives	Days
4.NF.3b 4.NF.4a 4.NF.3a	A Decomposition and Fraction Equivalence Lessons 1–2: Decompose fractions as a sum of unit fractions using tape diagrams. Lesson 3: Decompose non-unit fractions and represent them as a whole number times a unit fraction using tape diagrams. Lesson 4: Decompose fractions into sums of smaller unit fractions using tape diagrams. Lesson 5: Decompose unit fractions using area models to show equivalence. Lesson 6: Decompose fractions using area models to show equivalence.	6
4.NF.1 4.NF.3b	B Fraction Equivalence Using Multiplication and Division Lessons 7–8: Use the area model and multiplication to show the equivalence of two fractions. Lessons 9–10: Use the area model and division to show the equivalence of two fractions. <i>Mon 2/3/2020</i> Lesson 11: Explain fraction equivalence using a tape diagram and the number line, and relate that to the use of multiplication and division.	5
4.NF.2	C Fraction Comparison <i>Tues 2/4/2020</i> Lessons 12–13: Reason using benchmarks to compare two fractions on the number line. <i>Wed. 2/5/2020</i> Lessons 14–15: Find common units or number of units to compare two fractions.	4



Standards	Topics and Objectives	Days
4.NF.3ad 4.NF.1 4.MD.2	D Fraction Addition and Subtraction Lesson 16: Use visual models to add and subtract two fractions with the same units. Lesson 17: Use visual models to add and subtract two fractions with the same units, including subtracting from one whole. Lesson 18: Add and subtract more than two fractions. Lesson 19: Solve word problems involving addition and subtraction of fractions. Lessons 20–21: Use visual models to add two fractions with related units using the denominators 2, 3, 4, 5, 6, 8, 10, and 12.	6
	Mid-Module Assessment: Topics A–D (assessment $\frac{1}{2}$ day, return $\frac{1}{2}$ day, remediation or further applications 1 day)	2
4.NF.2 4.NF.3 4.MD.4 4.NBT.6 4.NF.1 4.NF.4a	E Extending Fraction Equivalence to Fractions Greater Than 1 Lesson 22: Add a fraction less than 1 to, or subtract a fraction less than 1 from, a whole number using decomposition and visual models. Lesson 23: Add and multiply unit fractions to build fractions greater than 1 using visual models. Lessons 24–25: Decompose and compose fractions greater than 1 to express them in various forms. Lesson 26: Compare fractions greater than 1 by reasoning using benchmark fractions. Lesson 27: Compare fractions greater than 1 by creating common numerators or denominators. Lesson 28: Solve word problems with line plots.	7
4.NF.3c 4.MD.2	F Addition and Subtraction of Fractions by Decomposition Lesson 29: Estimate sums and differences using benchmark numbers. Lesson 30: Add a mixed number and a fraction. Lesson 31: Add mixed numbers. Lesson 32: Subtract a fraction from a mixed number. Lesson 33: Subtract a mixed number from a mixed number. Lesson 34: Subtract mixed numbers.	6

