

Unit / Lesson / ExplorAction	Grade 5 Lesson Objective	TEKS	Manipulative(s)	Description
<b>Unit 1: Add and Subtract Fractions</b>				
Lesson 1	Add two proper fractions (unlike denominators).	5.3H	Fraction Circles	Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations.
Lesson 1	Add two proper fractions (unlike denominators).	5.3K	Fraction Circles	Add and subtract positive rational numbers fluently.
Lesson 2	Add two mixed numbers (unlike denominators).	5.3H	Fraction Towers Fraction Number Line (tick-marked double line)	Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations.
Lesson 2	Add two mixed numbers (unlike denominators).	5.3K	Fraction Towers Fraction Number Line (tick-marked double line)	Add and subtract positive rational numbers fluently.
Lesson 3	Subtract one fraction from another (unlike denominators).	5.3H	Fraction Circles	Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations.
Lesson 3	Subtract one fraction from another (unlike denominators).	5.3K	Fraction Circles	Add and subtract positive rational numbers fluently.
Lesson 4	Subtract one mixed number from another (unlike denominators).	5.3H	Fraction Towers Fraction Number Line (blank line)	Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations.
Lesson 4	Subtract one mixed number from another (unlike denominators).	5.3K	Fraction Towers Fraction Number Line (blank line)	Add and subtract positive rational numbers fluently.
Fractions ExplorAction 1	Investigate addition and subtraction with fractions using area models and number lines.	5.3H	Fraction Towers Fraction Squares Fraction Number Line (tick-marked double line)	Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations.
Lesson 5	Solve word problems involving addition and subtraction of fractions and mixed numbers (including those with unlike denominators).	5.3H	Fraction Circles Fraction Towers Fraction Number Line (blank line)	Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations.
Lesson 5	Solve word problems involving addition and subtraction of fractions and mixed numbers (including those with unlike denominators).	5.3K	Fraction Circles Fraction Towers Fraction Number Line (blank line)	Add and subtract positive rational numbers fluently.
<b>Unit 2: Multiply and Divide Fractions</b>				
Lesson 1	Solve word problems showing that a fraction is a division of the numerator by the denominator.		Color Tiles	Solve word problems showing that a fraction is a division of the numerator by the denominator.
Lesson 2	Multiply a fraction by a whole number.	5.3I	Fraction Towers Fraction Number Line (blank line)	Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models.
Lesson 3	Multiply a fraction by a fraction.	5.3I	Fraction Squares	Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models.
Fractions ExplorAction 1	Investigate multiplication of a fraction by a fraction using area and linear models.	5.3I	Fraction Towers Color Tiles Fraction SAFE-T Ruler	Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models.
Lesson 4	Solve word problems involving multiplication of fractions and whole numbers.	5.3I	Fraction Towers Fraction Circles Fraction Squares Fraction Number Line (blank line)	Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models.
Lesson 5	Divide a unit fraction by a whole number.	5.3J	Fraction Towers	Represent division of a unit fraction by a whole number and the division of a whole number by a unit fraction such as $1/3 \div 7$ and $7 \div 1/3$ using objects and pictorial models, including area models.
Lesson 6	Divide a whole number by a unit fraction.	5.3J	Fraction Towers	Represent division of a unit fraction by a whole number and the division of a whole number by a unit fraction such as $1/3 \div 7$ and $7 \div 1/3$ using objects and pictorial models, including area models.

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Fractions ExplorAction 2	Use an area model to investigate division involving whole numbers and unit fractions.	5.3J	Color Tiles Fraction SAFE-T Ruler	Represent division of a unit fraction by a whole number and the division of a whole number by a unit fraction such as $1/3 \div 7$ and $7 \div 1/3$ using objects and pictorial models, including area models.
Lesson 7	Solve word problems involving division of unit fractions by whole numbers and division of whole numbers by unit fractions.	5.3L	Fraction Towers Fraction Circles Fraction Squares	Divide whole numbers by unit fractions and unit fractions by whole numbers.