

Topic: Unit 04: Number Theory & Fractions

Days: 9

Subject Area(s): Math

Grade(s): 6

**Key Learning:** To solve problems using decimals and fractions



**Unit Essential Question(s):** What is the relationship between fractions and decimals?

<b>Concept:</b> <b>Divisibility</b>	<b>Concept:</b> <b>Prime factorization and Greatest Common Factor</b>	<b>Concept:</b> <b>Decimals and Fractions</b>
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<b>Lesson Essential Question(s):</b> What is the difference between prime and composite numbers? (A)	<b>Lesson Essential Question(s):</b> What is prime factorization? (A)	<b>Lesson Essential Question(s):</b> How do you convert decimals to fractions and vice versa? (A)
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<b>Vocabulary:</b> divisible, composite number, prime number	<b>Vocabulary:</b> factor, prime factorization, greatest common factor (GCF)	<b>Vocabulary:</b> mixed number, terminating decimal, repeating decimal
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<b>Concept:</b> <b>Equivalent Fractions</b>	<b>Concept:</b> <b>Comparing and Ordering Fractions</b>	<b>Concept:</b> <b>Mixed Numbers and Improper Fractions</b>
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<b>Lesson Essential Question(s):</b> What are equivalent fractions? (A)	<b>Lesson Essential Question(s):</b> How do you compare and order fractions? (A)	<b>Lesson Essential Question(s):</b> How do you convert mixed numbers to improper fractions? (A)
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<b>Vocabulary:</b> simplest form, , equivalent fractions	<b>Vocabulary:</b> like fractions, unlike fractions, common denominators	<b>Vocabulary:</b> proper fraction, improper fraction
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<b>Concept:</b> <b>Adding and Subtracting Fractions with Like Denominators</b>	<b>Concept:</b> <b>Multiplying Fractions by Whole Numbers</b>	<b>Concept:</b>
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<b>Lesson Essential Question(s):</b> What is important to remember when adding and subtracting fractions with common denominators? (A)	<b>Lesson Essential Question(s):</b> How do you multiply fractions by whole numbers? (A)	<b>Lesson Essential Question(s):</b>
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<b>Vocabulary:</b>	<b>Vocabulary:</b>	<b>Vocabulary:</b>
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