

Math 6+: Number Sense

Fractions, Decimals, and Percents: Equivalency

Rational Numbers: Equivalence

Students	Learning Continuum Statements:
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Students:	
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	RIT 191-200:
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- Converts between percents and fractions with denominators of 10 or 100

Students:	
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	RIT 201-210:
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- Converts between decimals and fractions with denominators of 10 or 100
- Converts between decimals and fractions with denominators of 2, 4, or 5
- Converts between decimals and percents less than 100%
- Converts between percents and fractions with denominators of 10 or 100
- Converts between percents and fractions with denominators other than 10 and 100

Students:	
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	RIT 211-220:
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- Converts between decimals and fractions with denominators of 10 or 100
- Converts between decimals and fractions with denominators of 2, 4, or 5
- Converts between decimals and percents less than 100%
- Converts between percents and fractions with denominators of 10 or 100
- Converts between percents and fractions with denominators other than 10 and 100
- Converts fractions to decimals using long division
- Determines equivalence between decimals and percents using models
- Determines equivalence between fractions and percents using models
- Determines equivalence between fractions, decimals, and percents

Students:	
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	RIT 221-230:
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- Converts between decimals and fractions with a denominator of 1,000
- Converts between decimals and fractions with a denominator of 3
- Converts between decimals and fractions with a denominator of 8
- Converts between decimals and fractions with denominators of 10 or 100
- Converts between decimals and fractions with denominators of 2, 4, or 5
- Converts between decimals and percents less than 100%
- Converts between percents and fractions with denominators of 10 or 100
- Converts between percents and fractions with denominators other than 10 and 100
- Converts fractions to decimals using long division

Students:**RIT 231-240:**

- Converts between decimals and fractions with a denominator of 3
- Converts between decimals and fractions with a denominator of 8
- Converts between decimals and fractions with denominators of 10 or 100
- Converts between decimals and fractions with denominators of 2, 4, or 5
- Converts between decimals and percents greater than 100%
- Converts between decimals and percents less than 100%
- Converts between percents and fractions with denominators other than 10 and 100
- Converts fractions to decimals using long division

Students:**RIT 241-250:**

- Converts between decimals and percents greater than 100%
- Converts fractions to decimals using long division

Students:**RIT 251-260:**

- Converts between decimals and fractional percents
- Converts between fractions and percents greater than 100%
- Converts repeating decimals to fractions

Students:**RIT 261-270:**

- Converts repeating decimals to fractions

Students:**RIT 271-280:**

- Converts between fractions and fractional percents
- Converts repeating decimals to fractions