

Math DesCartes: Number Sense

Skills: Fractions and Decimals – Represent and Identify

Students:	DesCartes Skills: <small>(Highlight the skills related to your chosen standard/concept)</small>
	RIT 251-260: <ul style="list-style-type: none"> Expresses a percent over 100 or under 1 as a fraction in lowest terms and vice versa
	RIT 241-250: <ul style="list-style-type: none"> Expresses the equivalent form of a fraction, decimal, and/or percent (complex fraction)
	RIT 231-240: <ul style="list-style-type: none"> Writes a fraction as a decimal and vice versa Writes a fraction as a mixed decimal and vice versa Expresses a decimal as a whole number (e.g., 1.3 thousand = ?) Expresses a percent as a fraction and vice versa Writes a ratio as a decimal and vice versa Writes a ratio as a percent and vice versa
	RIT 221-230: <ul style="list-style-type: none"> Uses alternative algorithms to explain the meaning of "fraction" Identifies the place value and value of each digit to the hundredths and thousandths Identifies the place value and value of each digit in numbers through the ten thousandths and beyond Writes a decimal for a shaded region (to the hundredths place) Identifies the numeral and written name for decimals to the thousandths place Identifies the numeral and written name for decimals to the hundred thousandths place Determines simple equivalent fractions using multiples Writes a simple mixed fraction as a decimal and vice versa Writes a fraction or mixed number as a decimal when the denominator is a multiple of 10 Determines equivalent fractions using multiples Expresses a percent as a fraction and vice versa Expresses the equivalent form of a fraction, decimal, and/or percent (simple fraction) Writes a ratio as a decimal and vice versa Writes a ratio as a percent and vice versa
	RIT 211-220: <ul style="list-style-type: none"> Writes a fraction from a non-traditional model Writes improper fractions and mixed numbers from a visual representation Explains different interpretations of fractions (e.g., parts of a whole, parts of a set, and division of whole numbers by whole numbers) Identifies the place value and value of each digit to the tenths Applies base ten place value concepts to solve problems using decimals (analysis) Writes a decimal for a shaded region (to the tenths place) Identifies the numeral and written name for decimals to the hundredths place Expresses a simple fraction as a decimal Writes a basic percent as a decimal and vice versa Determines simple equivalent fractions using multiples Writes a basic percent as a fraction and vice versa (e.g., 10%, 25%, 50%, 100%) Writes a simple mixed fraction as a decimal

	and vice versa <ul style="list-style-type: none"> Writes a fraction or mixed number as a decimal when the denominator is a multiple of 10 Converts fractions to lowest terms Writes mixed numbers as improper fractions and improper fractions as mixed numbers Expresses a percent as a fraction with 100 as the denominator and vice versa Expresses a percent as a decimal and vice versa
	RIT 201-210: <ul style="list-style-type: none"> Identifies halves of a region using nonadjacent parts Identifies the place value and value of each digit to the tenths Writes a terminating decimal as a fraction or mixed number Converts a basic fractional numeral to lowest terms (e.g., halves, thirds, quarters) Writes mixed numbers as improper fractions and improper fractions as mixed numbers
	RIT 191-200: <ul style="list-style-type: none"> Identifies fractional parts of a group or set Identifies fourths of a region Identifies thirds of a region Identifies tenths from a visual representation Identifies eighths from a visual representation Writes a fraction from a visual representation Uses a number line to identify a fractional point Identifies a decimal on a number line
	RIT 181-190: <ul style="list-style-type: none"> Identifies equal parts by using models Identifies one-half from a group or set Identifies fractional parts of a group or set Writes fractional parts of a group or set Identifies one-half of an object from a region Identifies fourths of a region Identifies the number of fractional parts shaded in a region Writes a fraction from a visual representation Reads or writes the word names for fractions and mixed numbers Applies base ten place value concepts to solve problems using decimals
	RIT 171-180: <ul style="list-style-type: none"> Identifies one-half from a group or set

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Lesson Title:

Standard/Concept for All:

For Students Ready for a Challenge:

Lesson/Activity:

Resources:

Means of Assessment:

For Most Students:

Lesson/Activity:

Resources:

Means of Assessment:

For Students Needing Extra Support:

Lesson/Activity:

Resources:

Means of Assessment:

Closure/Summary for All: