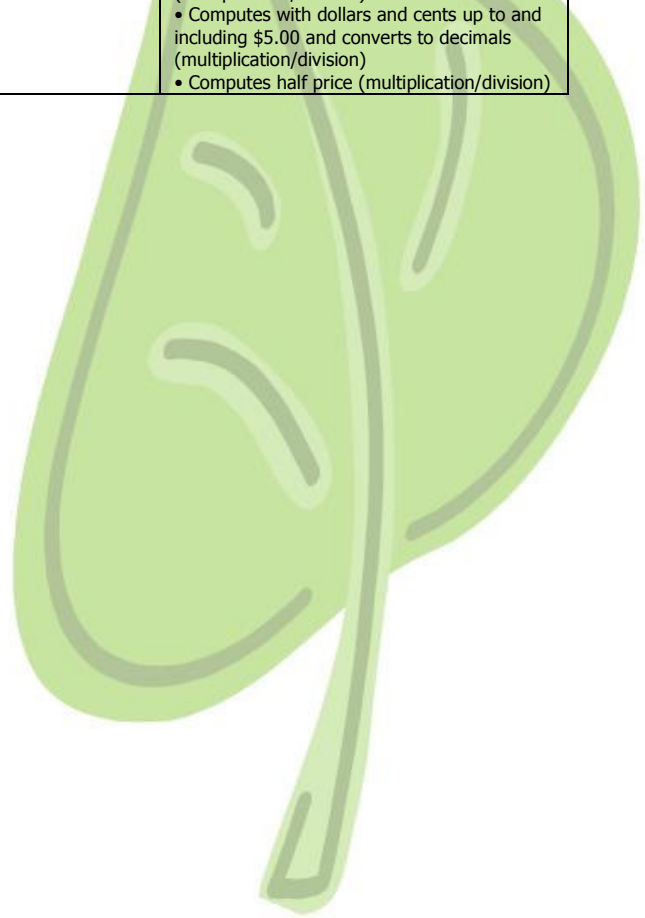


Math DesCartes: Estimation and Accurate Computations

Skills: Fractions and Decimals – Multiplication and Division

Students:	DesCartes Skills: (Highlight the skills related to your chosen standard/concept)
	<p>RIT 231-240:</p> <ul style="list-style-type: none"> • Multiplies mixed fractions • Divides a fraction by a fraction • Divides a fraction by a whole number • Divides a whole number by a fraction • Divides a mixed fraction by a whole number • Divides a whole number by a mixed fraction • Divides a mixed fraction by a fraction • Divides a fraction by a mixed fraction • Divides a mixed fraction by a mixed fraction • Solves 2- or more step real-world problems involving fractions with mult and division • Solves problems involving fractions (e.g., multiple operations, conversions) • Multiplies a decimal by 10, 100, 1000 • Divides a whole number by a decimal • Divides a decimal by 10, 100, 1000 • Divides a decimal by a decimal • Solves difficult real-world problems involving decimals (e.g., multiple multiplications, conversions) • Solves real-world problems involving rate of pay with time and a half • Solves problems involving decimals (e.g., conversions) • Describes the effects of multiplying a number by a number between 0 and 1
	<p>RIT 221-230:</p> <ul style="list-style-type: none"> • Multiplies a fraction by a fraction, without reducing to simplest form (complex problem) • Multiplies a fraction by a fraction, where reducing to simplest form is necessary • Multiplies a fraction by a whole number • Multiplies mixed fractions • Divides a fraction by a fraction • Divides a mixed fraction by a fraction • Solves 1-step real-world problems involving fractions with multiplication and division • Solves 2- or more step real-world problems involving fractions with multipl and division • Solves problems involving fractions (e.g., multiple operations, conversions)* • Multiplies a decimal by a decimal, vertical form (factors to tenths or hundredths) • Multiplies a decimal by a decimal (factors to hundredths) • Multiplies a decimal by 10, 100, 1000 • Multiplies a decimal by a decimal (factors to thousandths) • Divides a decimal by 10, 100, 1000 • Divides a decimal by a decimal • Computes the value of multiple bills and coins (multiplication/division) • Computes with dollars and cents over \$5.00 and converts to decimals (mult/division) • Solves difficult real-world problems involving decimals (e.g., multiple multiplications, conversions) • Solves real-world problems involving rate of pay
	<p>RIT 211-220:</p> <ul style="list-style-type: none"> • Multiplies a fraction by a fraction, where reducing to simplest form is necessary • Multiplies a fraction by a whole number • Solves 1-step real-world problems involving fractions with multiplication and division • Multiplies a decimal by a decimal, vertical form (factors to tenths or hundredths) • Multiplies a decimal by a decimal (factors to hundredths) • Divides decimal by a whole number • Analyzes and computes 1 operation on real-world problems involving money over \$5.00 (multiplication/division) • Computes addition, subtraction, multiplication, and division on multiple-step

	<p>real-world problems involving money</p> <ul style="list-style-type: none"> • Computes with dollars and cents over \$5.00 and converts to decimals (mult/division) • Solves real-world problems involving decimals (not money) using multiplication
	<p>RIT 201-210:</p> <ul style="list-style-type: none"> • Multiplies a fraction by a fraction, without reducing to simplest form (simple problem) • Multiplies a decimal by whole number • Divides decimal by a whole number • Computes addition, subtraction, multiplication, and division on multiple-step real-world problems involving money • Computes with dollars and cents up to and including \$5.00 and converts to decimals (multiplication/division)
	<p>RIT 191-200:</p> <ul style="list-style-type: none"> • Solves real-world 1-step problems involving multiplication or division of a whole number by a fraction • Multiplies a decimal by whole number • Computes 1 operation on real-world problems involving money over \$5.00 (multiplication/division) • Computes with dollars and cents up to and including \$5.00 and converts to decimals (multiplication/division) • Computes half price (multiplication/division)



Math DesCartes: Estimation and Accurate Computations

Skills: Fractions and Decimals – Multiplication and Division

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: