## Rates, Ratios, Proportions, and Percent

Students	Learning Continuum Statements:
Students:	<ul> <li>RIT 181-190:</li> <li>Solves for a missing value in a proportion by basic reasoning with equivalent fractions</li> </ul>
Students:	<ul> <li>RIT 191-200:</li> <li>Solves for a missing value in a proportion by basic reasoning with equivalent fractions</li> <li>Uses a given unit rate to solve a one-step real-world problem</li> <li>Uses ratios of whole numbers to calculate unit rates</li> </ul>
Students:	<ul> <li>RIT 201-210:</li> <li>Calculates the unit rate from a table of a proportional relationship</li> <li>Solves for a missing value in a proportion by basic reasoning with equivalent fractions</li> <li>Solves real-world and mathematical problems using ratios or proportional reasoning</li> <li>Uses a given unit rate to solve a one-step real-world problem</li> <li>Uses ratios of whole numbers and decimals to calculate unit rates</li> <li>Uses ratios of whole numbers and fractions to calculate unit rates</li> <li>Uses ratios of whole numbers to calculate unit rates</li> </ul>
Students:	<ul> <li>RIT 211-220:</li> <li>Calculates percents of numbers</li> <li>Calculates the percent one number is of another number</li> <li>Calculates the unit rate from a table of a proportional relationship</li> <li>Calculates the whole when given a part and the percent</li> <li>Solves for a missing value in a proportion by basic reasoning with equivalent fractions</li> <li>Solves one-step percent problems within a real-world or mathematical context</li> <li>Solves real-world and mathematical problems using ratios or proportional reasoning</li> <li>Uses a given unit rate to solve a one-step real-world problem</li> <li>Uses ratios of decimals to calculate unit rates</li> <li>Uses ratios of whole numbers and fractions to calculate unit rates</li> <li>Uses ratios of whole numbers to calculate unit rates</li> <li>Uses two given unit rates to solve a multi-step real-world problem</li> </ul>

Students:	RIT 221-230:
	<ul> <li>Calculates percents of numbers</li> <li>Calculates the percent one number is of another number</li> <li>Calculates the whole when given a part and the percent</li> <li>Determines the whole in a real-world percent problem given the part and the percent</li> <li>Solves for a missing value in a proportion by basic reasoning with equivalent fractions</li> <li>Solves for a missing value in a proportion by taking a cross product</li> <li>Solves multi-step percent problems within a real-world or mathematical context</li> <li>Solves one-step percent problems within a real-world or mathematical context</li> <li>Solves real-world and mathematical problems using ratios or proportional reasoning</li> <li>Uses a given unit rate to solve a one-step real-world problem</li> <li>Uses ratios of decimals to calculate unit rates</li> <li>Uses ratios of whole numbers and fractions to calculate unit rates</li> <li>Uses ratios of whole numbers to calculate unit rates</li> <li>Uses two given unit rates to solve a multi-step real-world problem</li> <li>Writes a proportion to solve a real-world problem</li> </ul>
Students:	<ul> <li>RIT 231-240:</li> <li>Calculates percents of numbers</li> <li>Calculates simple interest</li> <li>Calculates the percent one number is of another number</li> <li>Calculates the percent one number is of another number for percents greater than 100%</li> <li>Calculates the whole when given a part and the percent</li> <li>Determines the whole in a real-world percent problem given the part and the percent</li> <li>Solves for a missing value in a proportion by taking a cross product</li> <li>Solves multi-step percent problems within a real-world or mathematical context</li> <li>Solves one-step percent problems within a real-world or mathematical context</li> <li>Solves real-world and mathematical problems using ratios or proportional reasoning</li> <li>Solves real-world problems involving percent or fractional increase</li> <li>Uses a given unit rate to solve a multi-step real-world problem</li> <li>Uses ratios of decimals to calculate unit rates</li> <li>Uses ratios of fractions to calculate unit rates</li> <li>Uses ratios of whole numbers and decimals to calculate unit rates</li> <li>Uses ratios of whole numbers to calculate unit rates</li> <li>Uses ratios of whole numbers and decimals to calculate unit rates</li> <li>Uses ratios of whole numbers and decimals to calculate unit rates</li> <li>Uses ratios of whole numbers to calculate unit rates</li> <li>Uses ratios of whole numbers to calculate unit rates</li> <li>Uses two given unit rates to solve a multi-step real-world problem</li> <li>Writes a corresponding linear equation for a given proportion</li> <li>Writes a proportion to solve a real-world problem</li> </ul>
Students:	<ul> <li>RIT 241-250:</li> <li>Calculates percents of numbers</li> <li>Calculates simple interest</li> <li>Calculates the percent one number is of another number</li> <li>Calculates the percent one number is of another number for percents greater than 100%</li> <li>Calculates the whole when given a part and the percent</li> </ul>

	<ul> <li>Solves for a missing value in a proportion by taking a cross product</li> <li>Solves multi-step percent problems within a real-world or mathematical context</li> <li>Solves one-step percent problems within a real-world or mathematical context</li> <li>Solves real-world and mathematical problems using ratios or proportional reasoning</li> <li>Solves real-world problems involving percent or fractional increase</li> <li>Uses a given unit rate to solve a multi-step real-world problem</li> <li>Uses ratios of fractions to calculate unit rates</li> <li>Uses two given unit rates to solve a multi-step real-world problem</li> <li>Writes a corresponding linear equation for a given proportion</li> <li>Writes a proportion to solve a real-world problem</li> </ul>
Students:	<ul> <li>RIT 251-260:</li> <li>Calculates simple interest</li> <li>Calculates the percent one number is of another number for percents greater than 100%</li> <li>Solves for a missing value in a proportion by taking a cross product</li> <li>Solves multi-step percent problems within a real-world or mathematical context</li> <li>Solves real-world and mathematical problems using ratios or proportional reasoning</li> <li>Solves real-world problems involving percent or fractional increase</li> <li>Uses a given unit rate to solve a multi-step real-world problem</li> <li>Uses ratios of fractions to calculate unit rates</li> <li>Uses two given unit rates to solve a multi-step real-world problem</li> <li>Writes a proportion to solve a real-world problem</li> </ul>
Students:	<ul> <li>RIT 261-270:</li> <li>Uses a given unit rate to solve a multi-step real-world problem</li> <li>Uses ratios of fractions to calculate unit rates</li> </ul>