

# Math DesCartes: Estimation and Accurate Computations

## Skills: Ratio, Percent and Scientific Notation

<b>Students:</b>	<b>DesCartes Skills:</b> (Highlight the skills related to your chosen standard/concept)
	<b>RIT 251-260:</b> <ul style="list-style-type: none"> <li>Solves problems with scientific notation</li> <li>Solves problems involving complex percent discounts (e.g., finding percent discount, regular price)</li> </ul>
	<b>RIT 241-250:</b> <ul style="list-style-type: none"> <li>Simplifies rational expressions with scientific notation</li> <li>Solves problems with scientific notation</li> <li>Solves multiple-step problems involving proportions</li> <li>Solves problems involving a fractional increase</li> <li>Calculates a percent of a rational number (e.g., 6% of 0.78)</li> <li>Calculates the percent one number is of another (e.g., 20 is what % of 90)</li> <li>Solves problems involving percents (analysis)</li> <li>Solves problems involving simple percent discounts (e.g., finding sale price)</li> <li>Solves problems involving complex percent discounts (e.g., finding percent discount, regular price)</li> <li>Calculates commission/deductions, total pay</li> <li>Solves problems involving simple interest rates without the formula</li> </ul>
	<b>RIT 231-240:</b> <ul style="list-style-type: none"> <li>Solves problems with scientific notation</li> <li>Solves problems involving equivalent fractions (analysis)</li> <li>Solves problems involving ratios</li> <li>Solves multiple-step problems involving proportions</li> <li>Calculates a percent of a number (e.g. 6% of 30)</li> <li>Calculates the percent one number is of another (e.g., 20 is what % of 90)</li> <li>Solves problems involving percents</li> <li>Solves problems involving percents (analysis)</li> <li>Solves problems involving simple percent discounts (e.g., finding sale price)</li> <li>Solves problems involving percent increase and decrease</li> <li>Solves problems involving tax and tips</li> <li>Calculates commission/deductions, total pay</li> </ul>
	<b>RIT 221-230:</b> <ul style="list-style-type: none"> <li>Solves problems involving ratios</li> <li>Solves 1-step problems involving proportions</li> <li>Calculates basic percents of a number (e.g., 10%, 20%, 25%, 50%, 100%)</li> <li>Calculates a percent of a number (e.g. 6% of 30)</li> <li>Calculates a number from a percent (e.g., 4 is 9% of what)</li> <li>Adds and subtracts percent</li> <li>Solves problems involving percents</li> <li>Solves problems involving tax and tips</li> <li>Solves problems involving simple interest rates with the formula</li> <li>Solves problems comparing percents, fractions, and decimals</li> </ul>
	<b>RIT 211-220:</b> <ul style="list-style-type: none"> <li>Solves problems involving equivalent fractions</li> <li>Solves 1-step problems involving proportions</li> <li>Calculates basic percents of a number (e.g., 10%, 20%, 25%, 50%, 100%)</li> </ul>
	<b>RIT 201-210:</b> <ul style="list-style-type: none"> <li><i>No Skills Listed</i></li> </ul>
	<b>RIT 191-200:</b> <ul style="list-style-type: none"> <li>Solves problems involving basic percent concepts (e.g., 10%, 50%, 100%)</li> </ul>

### 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:**

