

Math DesCartes: Algebra, Functions, and Mathematical Models

Skills: Algebraic Expressions

Students:	DesCartes Skills: (Highlight the skills related to your chosen standard/concept)
	<p>RIT 241-260:</p> <ul style="list-style-type: none"> • Applies the most appropriate problem solving strategies (e.g.: <ul style="list-style-type: none"> • Draws a picture • Uses process of elimination • Looks for patterns • Uses trial and error • Makes a table or organized list • Works backwards • Makes a problem simpler • Uses models) • Uses the components of mathematical modeling (e.g.: <ul style="list-style-type: none"> • Problem formulation • Mathematical model • Solution within the model • Interpretation of solution w/in the model • Validation in original real-world problem situation)
	<p>RIT 231-240:</p> <ul style="list-style-type: none"> • Applies the most appropriate problem solving strategies (Same strategies as 241-260) • Organizes information from a paragraph to solve a problem • Uses the components of mathematical modeling (Same strategies as 241-260)
	<p>RIT 221-230:</p> <ul style="list-style-type: none"> • Applies a variety of problem solving strategies (Same strategies as 241-260) • Organizes information from a paragraph to solve a problem • Applies a problem solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness
	<p>RIT 211-220:</p> <ul style="list-style-type: none"> • Applies a variety of problem solving strategies (Same strategies as 241-260) • Applies a problem solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness
	<p>RIT 191-210:</p> <ul style="list-style-type: none"> • Uses a variety of problem solving strategies (Same strategies as 241-260) • Uses a problem solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness
	<p>RIT 161-190:</p> <ul style="list-style-type: none"> • Uses a structured model to solve problems using a variety of strategies (Same strategies as 241-260) • Follows a model of problem solving that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness

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: