

Math DesCartes: Reasoning and Problem Solving

Skills: Reasoning Skills

Students:	DesCartes Skills: (Highlight the skills related to your chosen standard/concept)
	RIT Above 260: • Identifies the contrapositive of a conditional statement
	RIT 251-260: • Verifies reasonableness of results of complex problems
	RIT 241-250: • Verifies reasonableness of results of complex problems
	RIT 231-240: • Constructs simple, valid arguments using if ...then statements based on Venn diagrams
	RIT 221-230: • Looks for a growing pattern to solve a problem • Solves real-world problems using reasoning strategies • Uses truth tables to solve simple logic problems • Produces a valid conjecture using inductive reasoning by generalizing from a pattern of observations
	RIT 211-220: • Uses manipulatives and models to demonstrate thinking processes • Looks for a growing pattern to solve a problem • Solves real-world problems using reasoning strategies • Produces a valid conjecture using inductive reasoning by generalizing from a pattern of observations
	RIT 201-210: • Uses manipulatives and models to demonstrate thinking processes • Looks for a linear pattern to solve a problem • Looks for a repeating pattern to solve a problem • Solves real-world problems using reasoning strategies • Use patterns and their generalizations to make and justify inferences and predictions • Produces a valid conjecture using inductive reasoning by generalizing from a pattern of observations
	RIT 191-200: • Looks for a simple linear pattern in a table to solve a problem

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:

