

Math DesCartes: Data Analysis, Probability and Statistics

Skills: Basic Concepts of Probability

Students:	DesCartes Skills: (Highlight the skills related to your chosen standard/concept)
	RIT Above 260: <ul style="list-style-type: none"> Determines the probabilities of compound events (dependent)
	RIT 251-260: <ul style="list-style-type: none"> Determines certainty from a set data Determines the probabilities of complex compound events (independent)
	RIT 241-250: <ul style="list-style-type: none"> Determines probability using tables, an area model or counting procedures Determines certainty from a set data Uses counting procedures to determine probabilities Determines complement of a complex event Uses permutation and combination formulas to determine possibilities
	RIT 231-240: <ul style="list-style-type: none"> Recognizes the relationship between events and probability Determines sample space using probability, to find probability for 2-step problems Determines certainty from a set data Determines the complement of a complex event Determines the probability of independent simple compound events
	RIT 221-230: <ul style="list-style-type: none"> Determines the possible outcomes for a simple probability experiment using spinners or dart boards Determines the outcome of simple multiple events Determines sample space to find probability Determines probability using tree diagrams Computes probability as a fraction, given equivalent forms Explains the relationship between probability and odds, and computes one when given the other Determines complement of simple event Determines the number of possible combinations of given items Solves problems involving combinations
	RIT 211-220: <ul style="list-style-type: none"> Determines the possible outcomes for a simple probability experiment using a frequency table Determines possible outcomes for simple probability experiment using dice/spinners Determines probability when drawing objects from containers Determines probability from a real-world situation Determines complement of simple event Determines the number of possible combinations of given items Solves problems involving permutations
	RIT 201-210: <ul style="list-style-type: none"> Recognizes events that are certain, likely, unlikely, possible, or impossible Uses the concept of chance to determine the likelihood of an event Determines the possible outcomes for a simple probability experiment using one or more coins or using objects
	RIT 191-200: <ul style="list-style-type: none"> Investigates probability of "more likely" or "less likely" using spinner or dart board
	RIT 181-190: <ul style="list-style-type: none"> Investigates probability of "more likely" or "less likely" using a spinner or with objects hidden in containers
	RIT 171-180: <ul style="list-style-type: none"> Investigates probability of "more likely" or "less likely" using a table

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: