DesCartes: A Continuum of Learning®

Mathematics
Goal: Statistics and Probability

RIT Score Range: 191 - 200
Statements Last Updated: Mar 10, 2014

Skills and Concepts to Enhance (73% Probability*) 181 - 190	Skills and Concepts to Develop (50% Probability*) 191 - 200	Skills and Concepts to Introduce (27% Probability*) 201 - 210
Interpreting Categorical and Quantitative Data	Interpreting Categorical and Quantitative Data	Interpreting Categorical and Quantitative Data
• Interprets simple graphs or tables	• Interprets a chart or table - calculation required	• Solves problems using pictographs
• Interprets a chart or table - calculation required	• Reads and interprets data from a pictograph	• Organizes data to create simple bar graphs
• Reads and interprets data from a pictograph	• Interprets a pictograph - calculation required	• Solves problems using bar graphs
• Solves simple problems based on data from pictographs	• Reads and interprets data from a bar graph	• Solves problems using dual bar graphs
• Reads a simple bar graph - comparisons (e.g., largest, smallest, most often, least often)	• Reads and interprets dual bar graphs	• Determines the middle value (median) from a simple set of data
• Reads a simple bar graph - numbers (e.g., how many)	• Interprets a simple bar graph - calculation required	• Draws conclusions from data - bar graphs
• Reads and interprets data from a bar graph	• Describes a trend in the data	• Describes a trend in the data
• Interprets a simple bar graph - calculation required		
• Solves simple problems based on data from bar graphs		
Using Sampling and Probability to Make Decisions	Using Sampling and Probability to Make Decisions	Using Sampling and Probability to Make Decisions
• Investigates probability of more likely or less likely using a spinner	• Investigates probability of more likely or less likely using a spinner	• Recognizes events that are certain, likely, unlikely, possible, or impossible
• Investigates probability of more likely or less likely with objects hidden in containers		• Uses the concept of chance to determine the likelihood of an event
		• Determines all possible outcomes
		• Determines the probability for a simple experiment using one or more coins
		• Determines the probability for a simple experiment using objects - must determine size of sample space
New Vocabulary: lowest	*New Vocabulary:* None	*New Vocabulary:* bar graph, chance, median, probability, random
New Signs and Symbols: $ dollar sign	*New Signs and Symbols:* None	*New Signs and Symbols:* None