

## DesCartes: A Continuum of Learning®

Goal: Statistics and Probability

**Mathematics** 

RIT Score Range:171 - 180Statements Last Updated:Mar 10, 2014

Skills and Concepts to Enhance (73% Probability*) 161 - 170	Skills and Concepts to Develop (50% Probability*) 171 - 180	Skills and Concepts to Introduce (27% Probability*) 181 - 190
Interpreting Categorical and Quantitative Data	Interpreting Categorical and Quantitative Data	Interpreting Categorical and Quantitative Data
Reads a chart or table - numbers	Reads a chart or table - comparisons	Interprets simple graphs or tables
<ul> <li>Reads a simple pictograph - comparisons (e.g., largest smallest, most often, least often)</li> </ul>	Reads a chart or table - numbers	<ul> <li>Interprets a chart or table - calculation required</li> </ul>
	Interprets simple graphs or tables	<ul> <li>Reads and interprets data from a pictograph</li> </ul>
<ul> <li>Displays data appropriately - bar graph - scale is 1 to 1</li> </ul>	• Reads a simple pictograph - comparisons (e.g., largest smallest, most	Solves simple problems based on data from pictographs
<ul> <li>Reads a simple bar graph - comparisons (e.g., largest, smallest, most often, least often)</li> <li>Compares data from simple graphs (e.g., largest, smallest, most often, least often)</li> </ul>	often, least often)	• Reads a simple bar graph - comparisons (e.g., largest, smallest, most
	Solves simple problems based on data from pictographs	often, least often)
	• Reads a simple bar graph - comparisons (e.g., largest, smallest, most often, least often)	Reads a simple bar graph - numbers (e.g., how many)
		<ul> <li>Reads and interprets data from a bar graph</li> </ul>
	Reads a simple bar graph - numbers (e.g., how many)	Interprets a simple bar graph - calculation required
	<ul> <li>Solves simple problems based on data from bar graphs</li> </ul>	Solves simple problems based on data from bar graphs
	• Compares data from simple graphs (e.g., largest, smallest, most often, least often)	
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
		<ul> <li>Investigates probability of more likely or less likely with objects hidden in containers</li> </ul>
New Vocabulary: dollar, longest, shortest	New Vocabulary: None	New Vocabulary: lowest
New Signs and Symbols: = is equal to	New Signs and Symbols: None	New Signs and Symbols: \$ dollar sign

**Explanatory Notes** 

\* At the range mid-point, this is the probability students would correctly answer items measuring these concepts and skills. Both data from test items and review by NWEA curriculum specialists are used to place Learning Continuum statements into appropriate RIT ranges. Blank cells indicate data are limited or unavailable for this range or document version.

1