MATHEMATICS

Statistics, Data Analysis, and Probability

Grade K	Grade 1	Grade 2
1. Students collect information about objects and events in their environment. k.1.1 pose information questions, collect data and record the results using objects, pictures and picture graphs k.1.2 identify, describe and extend simple patterns involving shape, size, or color such as circle, triangle, or red, blue	**1. Students organize, represent and compare categorical data on simple graphs and charts.** 1.1.1 sort objects and data by common attributes and describe the groups formed using categorical labels 1.1.2 represent and compare data (e.g., largest, smallest, most often, least often), using pictures, bar graphs, tally charts and picture graphs	**1. Students collect, record, organize, display and interpret numerical data on bar graphs and other representations.** 2.1.1 record numerical data in systematic ways, keeping track of what/who has been counted 2.1.2 represent the same data set in more than one way (e.g., charts with tallies, and bar graphs) 2.1.3 identify features of data sets (range and mode) 2.1.4 ask and answer simple questions related to data representation
	2. Students sort objects, and create and describe patterns involving numbers, shape, size, rhythm, or color. 1.2.1 describe, extend and explain how to get to the next element in simple repeating patterns (e.g., rhythmic, numeric, color and shape patterns)	**2. Students demonstrate an understanding of patterns and how they grow, and describe them in general ways.** 2.2.1 recognize, describe, extend and explain how to get the next term in linear patterns (e.g., 4, 8, 12 ...; the number of ears on 1 horse, 2 horses, 3 horses, 4 horses) 2.2.2 solve problems involving simple number patterns