Content Standard A6
Fifth Grade Level
Statistics/Probability

State Mathematics Performance Standards 3rd-5th	KGBSD Performance Standards	State Grade Level Expectations (GLE's)
M6.2.1 Collect, organize, and display data creating a variety of visual displays including tables, charts, and line graphs. M6.2.2 Present the data using a variety of appropriate representations and explain the meaning of the data. M6.2.3 Describe and interpret a data set using mean, median, mode, and range. M6.2.4 Estimate whether a game is mathematically fair or unfair; analyze and present probability data using simple fractions. M6.2.5 Conduct simple probability experiments using concrete materials and represent the results using fractions and probability.	1.1 Collect, organize and display data creating a variety of visual displays (e.g. line graphs with whole numbers to 50) 2.1 Interpret analyze and explain data from tables and graphs 3.1 Calculate the mean and find the median and mode of a data set with up to 10 pieces of data 4.1 Determine whether a game is fair or unfair; analyzing data using fractions and ratios to describe probability of outcomes 5.1 Conduct simple probability experiments using concrete materials. Solve problems involving money combinations (e.g., how many ways can you make 25 cents using nickels, dimes, or quarters?)	**Statistics and Probability: Data Display** **The student demonstrates an ability to classify and organize data by** **[5] S&P-1** [designing an investigation and collecting L], organizing, or displaying, using appropriate scale, data in real-world problems (e.g., social studies, friends, or school), using bar graphs, tables, charts, diagrams, or line graphs with whole numbers up to 50 (M6.2.1 & M6.2.2) **Statistics and Probability: Analysis and Central Tendency** **The student demonstrates an ability to analyze data (comparing, explaining, interpreting, evaluating; or drawing or justifying conclusions) by** **[5] S&P-2** using information from a variety of displays (tables, bar graphs, line graphs, or Venn diagrams) (M6.2.2) **[5] S&P-3** using mode, median, or range with up to 10 pieces of data with a value of 10 or less each (M6.2.3) **Statistics and Probability: Probability** **The student demonstrates a conceptual understanding of probability and counting techniques by** **[5] S&P-4** predicting or explaining the probability of all possible outcomes in an experiment using ratios or fractions to describe the probability (M6.2.4) **[5] S&P-5** solving problems involving money combinations (e.g., how many ways can you make 25 cents using nickels, dimes, or quarters?) (M6.2.5)