Skills and Concepts to Enhance (73% Probability*) 201 - 210	Skills and Concepts to Develop (50% Probability*) 211 - 220	Skills and Concepts to Introduce (27% Probability*) 221 - 230
Interpreting Categorical and Quantitative Data	**Interpreting Categorical and Quantitative Data**	**Interpreting Categorical and Quantitative Data**
• Solves problems using pictographs • Organizes data to create simple bar graphs • Solves problems using bar graphs • Solves problems using dual bar graphs • Determines the middle value (median) from a simple set of data • Draws conclusions from data - bar graphs • Describes a trend in the data	• Solves problems using pictographs • Solves problems using bar graphs • Reads and interprets data in scatter plots • Reads and interprets data in line plots • Determines the average (mean) of a simple set of data • Solves simple problems involving mean • Determines the middle value (median) from a simple set of data • Predicts from plotted data • Describes a trend in the data	• Determines appropriate intervals and/or scale for a bar graph • Determines the average (mean) of a simple set of data • Determines the mean of a complex set of data (e.g., fractions, integers, many data points) • Solves simple problems involving mean • Solves problems with missing data when the mean is known • Determines the middle value (median) from a simple set of data • Determines the spread (range) from a simple set of data • Predicts from line graphs • Predicts from plotted data
Using Sampling and Probability to Make Decisions	**Using Sampling and Probability to Make Decisions**	**Using Sampling and Probability to Make Decisions**
• Recognizes events that are certain, likely, unlikely, possible, or impossible • 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	• Determines all possible outcomes • Determines the probability for a simple experiment using one die • Determines probability from a real-world situation - number of possible outcomes given • Determines the probabilities for a simple experiment using a frequency table - must determine size of sample space • Determines probability when drawing objects from containers - must determine size of sample space • Modifies sample space to change the probability of an event • Determines the complement of a simple event • Determines the possible outcomes for a simple probability experiment using spinners • Determines the number of possible combinations of given items • Predicts the sample space, based on the outcome of an experiment - tally sheet • Uses systematic lists to represent problems	• Determines likelihood using tree diagrams • Determines probability - must determine size of sample space • Modifies sample space to change the probability of an event • Determines the complement of a simple event • Determines the possible outcomes for a simple probability experiment using spinners • Determines the possible outcomes for a simple probability experiment using dart boards • Determines the number of possible combinations of given items • Determines the outcome of simple multiple events • Predicts the sample space, based on the outcome of an experiment - tally sheet • Uses the results of probability experiments or events to predict future events • Computes probability as a fraction, given equivalent forms • Identifies whether predictions are based on theoretical or experimental probability • Determines the most accurate sample for a situation • Describes the population based on a given sample
New Vocabulary: bar graph, chance, median, probability, random	*New Vocabulary:* fastest, fitted line, mean, number cube, outcome, scatter plot	*New Vocabulary:* tails
New Signs and Symbols: None	*New Signs and Symbols:* { } set notation, lb pound, P( ) probability, % percent	*New Signs and Symbols:* None