

**C2.0 Mathematics 8 Unit 5 Instructional Focus: Statistics and Probability (15 Days)**

Topic	Instructional Foci	Days
Topic 1: Investigating Bivariate Data	<p>This unit builds upon students’ prior experiences with linear relationships between quantities to support constructing and interpreting characteristics of scatterplots. Students explore informal means of creating and assessing how well a linear model fits a data set. They use the model in order to solve problems and interpret the slope and intercept in context. Students analyze categorical data by constructing and interpreting two-way tables. They calculate relative frequencies to determine possible associations.</p> <p><u>Concepts:</u>                      Explore and interpret patterns of association between two quantities in scatter plots.                      Construct, analyze, and interpret patterns between two quantities in scatter plots.                      Classify a scatter plot as a linear association between two quantities and informally fit with a straight line.                      Find and use a linear function to model a relationship between two quantities that is approximately linear.                      Interpret frequencies and relative frequencies in two-way tables.                      Construct and interpret frequencies and relative frequencies in two-way tables.</p>	approx. 15