8th Grade Mini Topics: Unit 6

Characteristics of linear relationships

Approximating trend lines and relationship between bivariate sets of data.

Graphical representations of bivariate sets of data:

Linear and non linear relationships with bivariate sets of data

Scatterplots constructed from bivariate sets of data

Observations involving trends such as linear (positive or negative trend), nonlinear, or no association.

Linear proportional and linear non-proportional trend lines

Representing trend lines with tables, graphs, and equations

Represent trend lines in the form $y = kx$ or $y = mx + b$ where $b \neq 0$

Represent a linear relationship within a scatterplot

Use a trend line to make predictions

Interpret the slope of a line as a unit rate