Linear Function for Scatter Plot

Today's Standard

HSS.ID.B6c - Fit a linear function for a scatter plot that suggests a linear association.

Cues	Notes
What is a scatter plot?	A scatter plot is a graph that shows the relationship between two variables using dots.
How to fit a linear function?	Fitting a linear function involves drawing a line that best represents the data trend in a scatter plot.
What is a line of best fit?	The line of best fit minimizes the overall distance from all data points to the line.
What are common misconceptions?	Common misconceptions include expecting a perfect line and thinking the line must pass through all points.
How to interpret slope and intercept?	Slope indicates the rate of change, and intercept represents the starting value in the context of the data.

Summary

Fitting a linear function to a scatter plot helps in understanding and predicting relationships between variables. It's important to recognize and correct common misconceptions for accurate data interpretation.