

8th Math “Mini-6” Unit Information

Statistics

CRCT Domain & Weight: Statistics 12 %

[FLIPBOOK for Unit Mini-6](#)

[Overview of Mini-6 Unit](#)

Prerequisites: Unit Mini-6

Unit Length: Approximately 11 days

[Checklist for Unit Mini-6](#)

[Study Guide for Unit Mini-6](#)

[Study Guide KEY for Unit Mini-6](#)

Calculators allowed (but not needed) in this unit.

Click on the links below for resources by Concept:

[Concept ONE: Scatter Plots & Bivariate Data](#)

[Concept TWO: Categorical Data & Two-Way Tables](#)

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Concept ONE: Scatter Plots & Bivariate Data

Standard(s) & Essential Questions	Vocabulary	Resources	Assessment
<p>MGSE8.SP.1 Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.</p> <p>E.Q. How can I analyze a scatter plot?</p> <p>MGSE8.SP.2 Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.</p> <p>E.Q. How can I create a linear model given a scatter plot?</p> <p>MGSE8.SP.3 Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept.</p>	<ul style="list-style-type: none"> • Initial Value • Bivariate Data • Quantitative Variables • Scatter Plot • Line of Best Fit • Clustering • Outlier 	<p>Activator - Ages of Famous Personalities</p> <p>Eureka Math (2014 Common Core) License Concept One ~ TE SE</p> <p>Eureka Math – Line of Best Fit w/Data Context TE SE</p> <p>Follow Along Notes – Scatter Plots</p> <p>HW – Scatter Plots</p> <p>Glencoe CCSS Math (2013)</p> <ul style="list-style-type: none"> • Scatter Plots pages 659-676 • Line of Best Fit pages 677-684 <p>Line of Best Fit – “The Wave”</p> <p>Station Activities ~ Scatter Plots 1</p> <ul style="list-style-type: none"> ○ Use discussion guide & misconceptions ○ All 4 stations are worth doing <ul style="list-style-type: none"> ▪ Might need 1-2 calculators <p>Station Activities ~ Scatter Plots 2</p> <ul style="list-style-type: none"> ○ Use discussion guide & misconceptions ○ All 4 stations are worth doing <p>Using Line of Best Fit to Make Predictions</p> <p>Follow Along Notes – Line of Best Fit</p> <p>HW – Line of Best Fit</p> <p>Reading Scatter Plots</p> <p>CCGPS Frameworks Task ~ Shoelaces</p> <ul style="list-style-type: none"> ○ A bit longer than other resources <p style="text-align: center;">ASSESSMENT - EUREKA</p>	<p style="text-align: center;">MGSE.8.SP.1</p> <p style="text-align: center;">MGSE.8.SP.3</p>

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Concept TWO: Categorical Data & Two-Way Tables			
Standard(s) & Essential Questions	Vocabulary	Resources	Assessment
<p>MGSE8.SP.4 Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table.</p> <p>a. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects.</p> <p>b. Use relative frequencies calculated for rows or columns to describe possible association between the two variables.</p> <p>E.Q. How does putting categorical data in a table make it easier to analyze the data?</p> <p>E.Q. How can you construct and interpret two-way tables?</p> <p>E.Q. How can I find the relative frequency using two-way tables?</p>	<ul style="list-style-type: none"> Categorical data Two-Way tables 	<p>Activator: Two-way table</p> <p>Eureka Math (2014 Common Core) License Concept Two ~ TE SE</p> <p>Follow Along Notes – Two Way Tables</p> <p>HW – Two Way Tables</p> <p>CCGPS Frameworks EXCELLENT Resource</p> <ul style="list-style-type: none"> Two-Way Tables <ul style="list-style-type: none"> Assortment of varied examples <p>Power Points</p> <ul style="list-style-type: none"> One Qualitative Data & One Quantitative Data Both Qualitative Data <p>Glencoe CCSS Math (2013)</p> <ul style="list-style-type: none"> Two-Way Tables pages 689-696 Unit Wrap Up Pages 728-732 (foldable, note taking, problem solving, project...) <p>Conducting a Survey ~ 2-Way Tables</p> <p>2-Way Table Puzzle</p> <p>Fill In the Totals in a 2-Way Table</p> <p>More Two-Way Tables</p> <ul style="list-style-type: none"> With relative frequency <p>Review for Unit 6-Mini</p>	<p>MGSE.8.SP.4</p>

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