


Algebra 1 - Unit 1.5: Statistics

1. Title each page with the section number and the assignment description. Include the date as part of your heading.
2. For each problem, write the original information. Show all process steps. Circle or box in the final answer. Use pencil.

November/December 2018

10	11 No School Veterans Day	12 5.6A Fit a Line to Data ✓ Hwk: p.329 #1, 3 – 5 all, 6 – 16 even, 20, 22, 26, 28	13 5.6B Correlation and Causation ✓ Hwk: 5.6B p.330 #18, 21ab w/graphing calcs. (refer to p.332 if needed)	14 13.6A Use Measures of Central Tendency and Dispersion ✓ Hwk: 13.6A p.877 #1, 4, 6, 10, 11, 13, 19, 20, 24	15 13.6B Extension ✓ Hwk: : Standard Deviation wkst.	16
17	18 13.7A Interpret Stem-and-Leaf Plots and Histograms ✓ Hwk: p.883 #1, 2, 4 – 14 even, 17, 18, 20, 24	19 13.8A Interpret Box-and-Whisker Plots ✓ Hwk: p.889 #1, 2, 4 – 12 all, 15, 18, 22, 24	20 13.7B Graphing Calculators ✓ Hwk: p.886 and p.893 and p.902 goldfish problem	21 13.8B Graphing Calculators ✓ Hwk: p.892 #2-4, 6 w/graphing calculators	22 Project ✓ Hwk: project	23
24	25 Project & Review ✓ Hwk: p.899 #23, 24 (stem&leaf and histogram), 25 AND p.901 #14ab	26 Review & Complete Project ✓ Hwk: study for the test	27 Test Unit 1.5 ✓ Clwk: Skills wkst Post Unit 1.5 ✓ Hwk: none	28 29 Happy Thanksgiving! 		30

Homework Club ☺

Mondays & Wednesdays 3:00-4:30 in Ms. Dunham-Bay's Classroom

* Students have access to lesson tutorials on Ms. Dunham-Bay's YouTube channel.

<https://www.youtube.com/channel/UCfGZXVdXXDtV3NII4V0tR1A>

Go to the videos and find the unit you are working in.

* Also, students on base have tutoring available at the YS (Youth Services Center).



Essential Questions within the Learning Targets:

- How can I create a linear equation out of points on a scatter plot?
- How do statistical measures allow for the comparison of two data sets?
- How do statistical measures help to predict future outcomes?
- How does technology help with analyzing data?
- What are the different ways of displaying and organizing data?
- What is a normal curve?

Vocabulary:

Scatter Plot Frequency

Positive Correlation Frequency
Table

Negative Correlation Histogram

No Correlation Bell Curve

Causation Box & Whisker Plot

Line of Best Fit Interquartile
Range

Cluster Lower Quartile

Linear Regression Upper
Quartile

Interpolation Outlier

Extrapolation 68-95-99 Rule

Measures of Central Tendency &
Dispersion One Standard
Deviation

Mean Two Standard Deviation

Median Three Standard
Deviation

Mode

Range

Mean Absolute Deviation

Variance

Standard Deviation

Stem & Leaf Plot

Back to Back Stem & Leaf