

Math Journal - Chapter 6 - Collect and Display Data

- 6.01 Complete # 7 on page 274.
- 6.02 The Math6.org extension for this lesson (6.2) will teach you how to use a spreadsheet (Excel) to find the various averages for a data set. (cheat on your homework!) You may complete that extension or write a how to paragraph that models finding the median of the following data set. {5, 6, 7, 8, 9, 10}
- 6.03 The Math6.org extension for this lesson (6.3) will show you why a spreadsheet (Excel) is very helpful when dealing with outliers and additional data. You may complete that extension or complete # 10 on page 281.
- 6.04 The Math6.org extension for this lesson (6.4) will teach you how to use a spreadsheet (Excel) to create and decorate a bar graph. You may complete this extension or create a hand drawn bar graph showing the 5 most populated cities in the United States.
- 6.05 The Math6.org extension for this lesson (6.5) will show you how to use Microsoft Excel to create histograms. You may complete this extension or create a hand drawn frequency table and histogram for the following data set. {Ages of Whales that Scientists Tracked and Studied - 10, 11, 35, 36, 55, 28, 32, 46, 57, 69, 58, 14, 8, 9, 10, 11, 7, 12, 8, 13, 11, 12, 25, 19, 45, 52, 35, 42, 62, 27, 31, 29, 15, 17, 16, 18, 20, 19, 22 34, 29, 30, 20, 25, 13, 14, 15, 16, 15, 17}
- 6.06 Draw or print a picture on a coordinate plane. Plot as many ordered pairs as possible and record them. Create an ordered pair worksheet and have a friend try to duplicate your picture by plotting your ordered pairs and connecting the dots.
- 6.07 The Math6.org extension for this lesson (6.7) will teach you how to use a spreadsheet (Excel) to create and decorate a line graph. You may complete this extension or create a hand drawn line graph showing the population of your school, church or club over the last 5 years.
- 6.08 The Math6.org extension for this lesson (6.8) will teach you how to use a spreadsheet (Excel) to create and decorate an unfair graph. You may complete this extension or create a pair of hand drawn graphs showing the following data set as nearly equal and greatly different. {Grades: John 93, Debbie 89; Clarisa 90}
- 6.09 Complete the Box and Whisker Plots Extension on pages 308 - 309.

General Scoring Rubric:

- 0 No Response
- 1 Wrong response
- 2 Weak response
- 3 Showed understanding
- 4 Showed understanding and cited an example
- 5 Showed understanding, cited examples and communicated effectively enough to enable others to understand.