World Series Math

October means it's time for the World Series! The top two teams in baseball play off against each other in the World Series. It's an exciting time for all baseball fans!

Do you have a favorite player? How good is he? That's an easy question to answer qualitatively. You might like the way he hits, or the way he looks, or his on the field mannerisms. Qualitative data refers to the qualities a player has.

Quantitative data is quantities, how many hits, pitches, etc. This is not subjective data (based on opinion), its hard facts and accurate numbers. One of the cool things about baseball is that statistics are a huge part of the game. On-base percentages, earned run average and batting averages all help to illustrate a player's skill in a quantitative way.

Statistics often show interesting changes in player performance. The best players often have even more impressive batting averages during the post-season playoffs. Do you know how to calculate a batting average? It's actually pretty simple; it represents the percentage of "at bats" in which the player got a hit.

The objective of this project is to compare the regular season and post season batting averages of five top major league baseball players (see next page). If you want to learn more and find stats for your favorite team or player, check out: www.mlb.com

Using these statistics:
1. Create a formula to calculate their batting averages
2. Calculate each players batting average for both regular and post season
3. Create a clear, neat table to organize the results and display the data
4. Using the data from the table, create a graph that clearly shows the results
5. Analyze the graph and draw at least one important conclusion
6. Define qualitative and quantitative in your own words