





# Web Site Worksheets on Graphical Analysis Tools

Name: \_\_\_\_\_

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**Answer questions 1 & 2 based on your visit to Site 2 at:**

[www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0302/main.htm](http://www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0302/main.htm)

1. Why did we use a frequency table for data collection in the opening activity?
  
2. What is meant by the "class mean" as shown on this site? What is another, more common term for this number?

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**Complete questions 3-6 based on your visit to Site 3 at:**

[www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0303/main.htm](http://www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0303/main.htm)

3. What is the more common term usually applied to a histogram?
  
4. List the steps employed in the generation of a histogram.
  
5. What is the "mode" as it is referred to in this Web site?  
**Hint:** You may wish to check out the following site for more information:  
[www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0302/main.htm](http://www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0302/main.htm)
  
6. How do histograms show trends within a sample?

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**Write complete answers to questions 7-9 based on your visit to Site 5 at:**

[www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0305/main.htm](http://www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0305/main.htm)

7. What analysis process(es) are line graphs particularly useful for?
  
8. How are line graphs related to histograms?
  
9. When are line graphs more acceptable than histograms for data analysis?

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**Please answer questions 10 & 11 based on your visit to Site 6 at:**

[www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0306/main.htm](http://www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0306/main.htm)

10. What advantages do circle graphs have over line graphs for data analysis?
  
11. What advantage do line graphs have over circle graphs for data analysis?

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**Use the information obtained at the following site to answer questions 12-14.**

[www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0304/main.htm](http://www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0304/main.htm)

12. List one major advantage in the use of stem and leaf plots.
  
13. Explain the organization of data on one of these graphs as if the person you were telling the information to was in the seventh grade.
  
14. List one stipulation for the use of back-to-back stem and leaf plots. Why do you think this is necessary?

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**Complete questions 15-16 based on your visit to Site 7 at:**

[www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0307/main.htm](http://www.homeworkhelp.com/homeworkhelp/freemember/text/math/high/statistics/ch03/0307/main.htm)

15. What is the main advantage to the use of box and whisker plots?

16. Define the following terms as they apply to box and whisker plots:

a) quartiles:

b) five point summary:

c) range:

d) outliers: