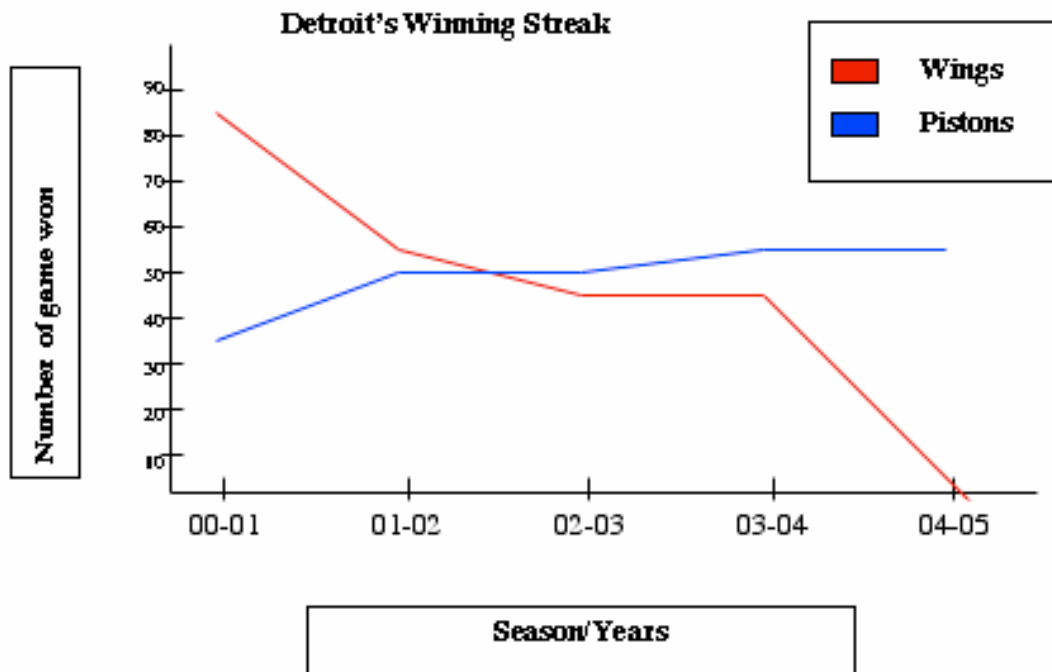


Graphin' the Games

QUESTIONS FOR STUDENTS:

1. What should be the title of the graph? **Answers may vary (e.g., Detroit's Winning Streak).**
2. How should the x-axis be labeled? **Answers may vary (e.g., Season or Years).**
3. How should the y-axis be labeled? **Answers may vary (e.g., Number of Games Won).**
4. How should the y-axis be scaled? **Answers may vary (e.g., by 10s).**
5. How can the Pistons' line be distinguished from the Red Wings' line?
By using different colors
6. If 2 different colors are used, what should be included in the graph?
A key
7. Complete the double line graph:



8. Describe how the Pistons have been doing over the past few years.
The Pistons have won a few more games each season.
9. Describe how the Red Wings have been doing recently. **The Red Wings seem to be losing more games each year.**

10. Why is there a zero in the Red Wings' 2004-2005 season? **The NHL did not play the 04-05 season.**
11. Use the graph to predict the number of wins the Pistons will have at the end of this year's season. **Answers may vary (e.g., 60).**
12. Predict the wins for the Red Wings this year. **Answer may vary (e.g., 42).**
13. Use the chart to calculate the mean of the Pistons' wins. **48**
14. Calculate the mean of Red Wings' wins. **45.8**
15. Find the median of the Pistons' wins. **50**
16. Find the median of the Red Wings' wins. **48**
17. Which is a more accurate "average" for the Red Wings – the mean or the median? Explain your answer. **The median is the better "average" because the mean is too low. Because of the 0 wins in the last season, the mean is pulled down to a number below each season's wins. So the better "average" is the middle number of wins.**
18. Which is the better Detroit sports team? Why? **Answers may vary (e.g., The Detroit Pistons is the better team because the median of the Pistons' wins is higher than the median of the Red Wings' wins.).**