

# Lesson No. 1: Line Graphs

Contest: Fall 07 Thomas Jefferson Leader: Tami Fuiten  
As of Date: 9/8/10

## Line Graphs:

A line graph is useful for showing how one variable changes with another. This lesson shows line contest mileage totals, by week, for each team.

## Basic Questions:

- What data is on the x-axis? \_\_\_
- What data is on the y-axis? \_\_\_
- What interval is used for the x-axis? \_\_\_
- What interval is used for the y-axis? \_\_\_

## Your Riding:

- Are you comfortable riding? \_\_\_
- How many miles have you ridden in the contest? \_\_\_  
(go online to get your personal miles)
- Are you motivated to ride? \_\_\_

## Your Team:

- Which is your team? \_\_\_
- What is your team's highest weekly mileage? \_\_\_
- Calculate your team's average weekly mileage? \_\_\_
- Is your team organized and motivated? \_\_\_
- What would motivate your team? \_\_\_
- How would you improve the graph? \_\_\_

## Safety:

Safety is important. Always wear a helmet. Learn how to ride a bike properly by taking a bicycle education course. Please have your parents sign this worksheet after you have completed it.



## More Questions:

- In week 4, how far ahead is the leading team over 3rd place? \_\_\_
- Which team had the largest 1 week increase? \_\_\_
- Which team went the most weeks without riding? \_\_\_
- How many weeks did they go? \_\_\_
- What team do you think will win the contest? \_\_\_
- Why do you think they will win? \_\_\_

## Extra Credit

What does the slope of the line mean? \_\_\_

## Family Area

Your family can ride and help out your team in the contest. Your riding instruction sheet has your family code, with instructions on how to sign up other family members. Would you like to get your family riding too? \_\_\_

Parent's Signature \_\_\_

Date: \_\_\_

## Cumulative Mileage By Team

### Fall 07 Thomas Jefferson

