

Lesson No. 4: Stacked Vertical Bar Graph

Contest: Fall 07 Slinger 6th Graders Leader: Kelyn Meyer
As of Date: 9/8/10

Vertical Stacked Bar Graph:

A stacked vertical bar graph shows individual values for sub-categories totalled together for easy comparison across the x-axis category.

Basic Questions:

- What is the x-axis category? __
- What is the 'sub-category' within the stacks? __ What is the y-axis variable? __
- What is the y-axis range in the top graph ? __
- What interval is used for the y-axis? __
- What interval is used for the x-axis? __
- Suppose the y-axis graph began at 30 instead of 0. How would it look different? __
- How might it mislead? __

Your Riding:

- Where in this graph are your own miles? __
- Have you been consistent in your own riding? __
- What would cause you to become more consistent? __

Your Team:

- Which is your team? __
- What is your team's highest weekly mileage? __
- Is your team organized and motivated? __
- What would motivate your team? __
- How does this graph help your team in the contest __
- 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:

- Which team seems to be least consistent? __
- Why did you pick that team? __
- Which team had the greatest increase in mileage from one week to the next? __
- Explain the title of the graph in words? __

Extra Credit

How would the graph look if the sub-category were instead plotted on the x-axis and the shown x-axis category made the subcategory? __

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: __

Total Contest Mileage By Team By Week

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