

Lesson No. 5: Stacked Vertical Bar Graph

Contest: Fall 07 Thomas Jefferson Leader: Tami Fuiten
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? __
- Can you tell from this graph the mileage from your family members? __
- Can you tell from this graph your team's mileage? __
- Are any of your family members riding for your team? __
- Are any of family members of team mates riding for your team? __
- Describe how your own team's graph might look? __
- 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 which week did the students increase mileage the most? __
- In which week did the non-students increase mileage the most? __
- Explain the title of the graph in words? __

Extra Credit

- Could any of these bars become smaller in a later week? __
- Why did you answer the way you did? __

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 Week By Students and Family

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