## GRAPHING AN INTEGRATED APPROACH

I've always looked at data analysis and/or graphing as its own little unit in my math curriculum and taught it in isolation from other math concepts and subject areas. As I studied the Common Core Standards and reflected on my own math instruction, I saw the need to integrate my data standards into each of the math strands and concepts I taught throughout the year. This graphing unit contains at least two graphing activities for each of the math concepts below:

- Place Value
- Addition/Subtraction
- Multiplication/Division
- Fractions
- Measurement
- Geometry

Since the Common Core Standards were the foundation of this unit, you'll find a combination of picture graphs, bar graphs, and line plots in the activities. Because these graphs may be new to students, I recommend spending a brief amount to time at the beginning of the year studying each type of graph to familiarize students with how to create and read the three types of graphs. It will also be important for students to understand basic terminology such as increments, scaled, and data. In this unit, I've included basic terminology posters as well as an introductory lesson for each type of graph.

If the integrated approach just isn't for you or if time won't permit, these lessons can certainly be used in a more traditional graphing unit. Just pick and choose the activities that will best suit your students!

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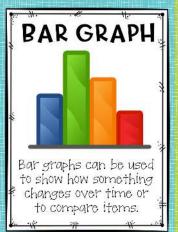
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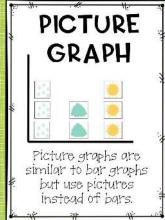
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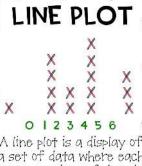
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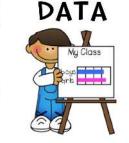
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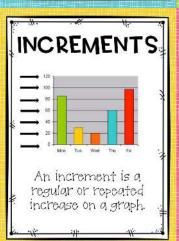




A line plot is a display of a set of data where each separate piece of data is shown as a mark above at number line. MANGENE - NOGENIE - NOGENI

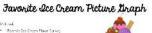


Data is facts and statistics that can be collected.





On a scaled graph, a picture or symbol stand for multiple objects.



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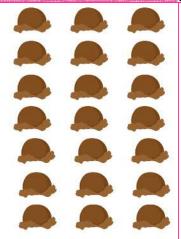
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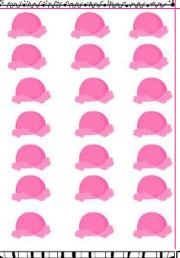


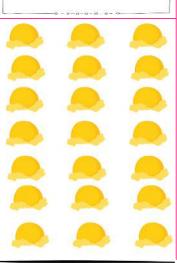
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### How Many Siblings Line Plot

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How Many Books Line Plot

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