Graph Project

TCH 347 Social Studies in the Elementary School

Shippensburg University

Department of Teacher Education

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Three Categories of Graphs

Pie Graph

- Pie graph: shows percentages of a whole, and represents percentages at a set point in time.
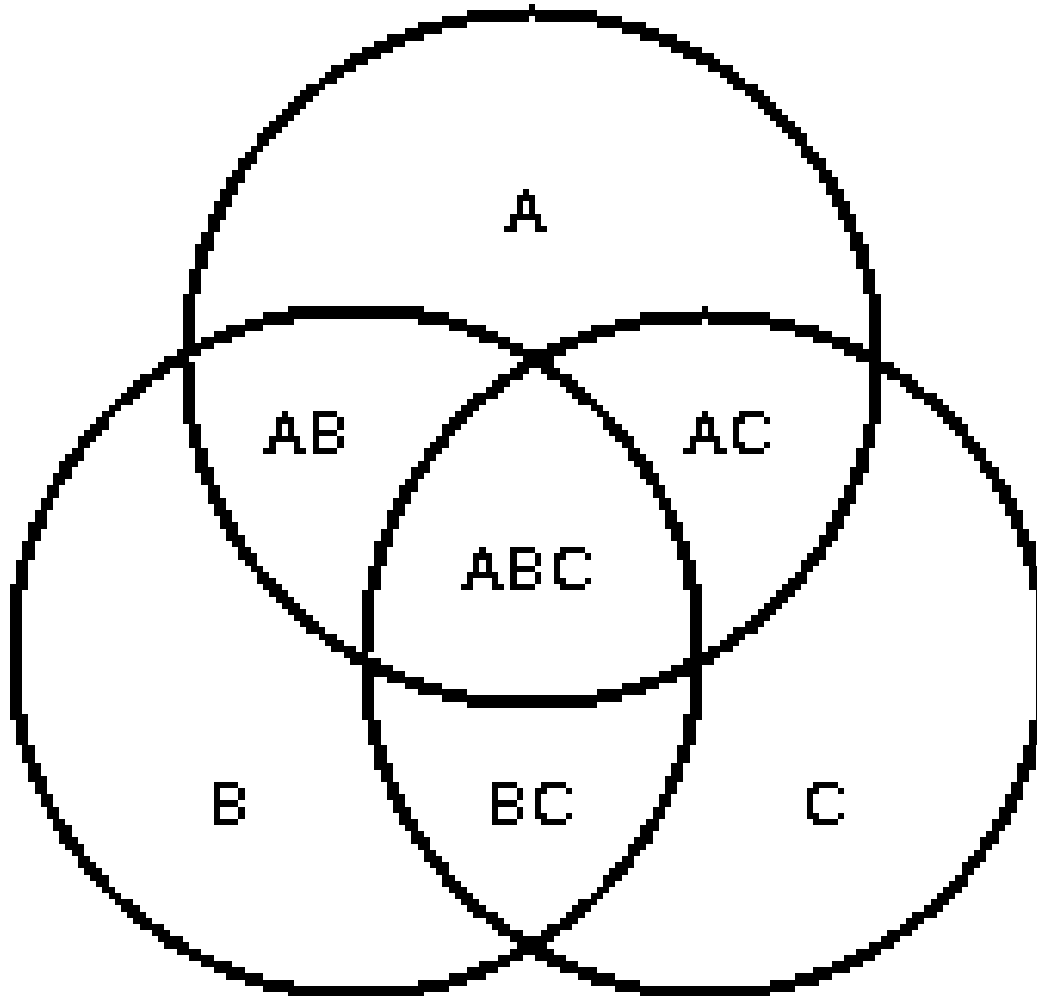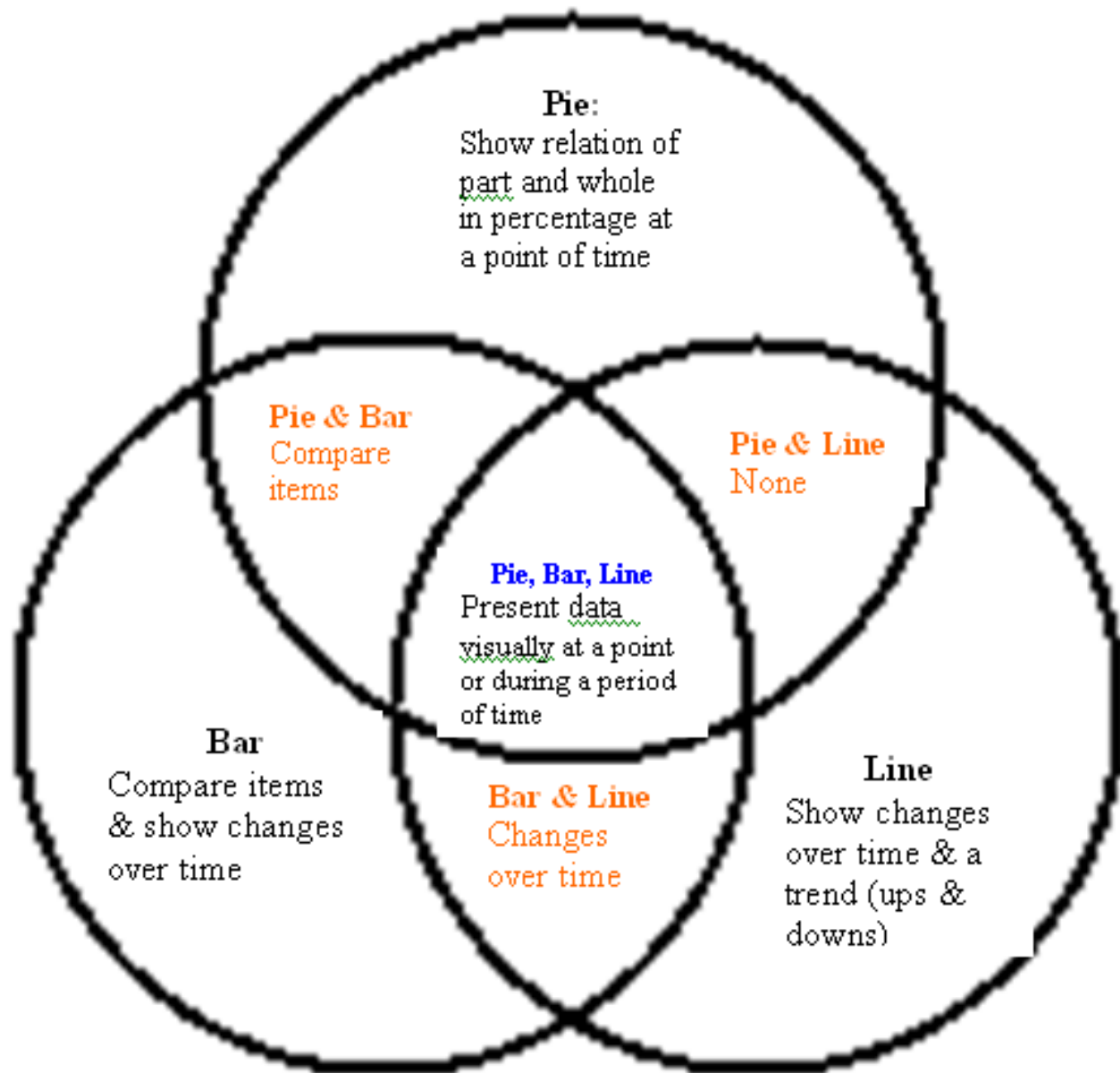
Bar Graph

- Bar graphs: **Shows how something changes over time or to compare items.**

- X-axis (horizontal) has numbers for the time period or what is being measured.

- Y-axis (vertical) has numbers for the amount of stuff being measured.

Line Graph

- Line graphs: **Shows how something changes over time or a trend to change**.
- X-axis (horizontal) has numbers for the time period.
- Y-axis (vertical) has numbers for what is being measured.

Compare the Graphs

Pie:
Show relation of part and whole in percentage at a point of time

Pie & Bar
Compare items

Pie & Line
None

Pie, Bar, Line
Present data visually at a point or during a period of time

Bar
Compare items & show changes over time

Bar & Line
Changes over time

Line
Show changes over time & a trend (ups & downs)

Rubric for Pie Graph

Criteria	Performance	Weight	Grade

Rubric for Pie Graph

Criteria	Performance	Weight	Grade
Choice of Graph	Pie graph matches the problem	40	
Value & Percentage Sign	Both values and percentage signs are shown on the graph	35	
Measures	Measures are correct and accurate	15	
Title	The tile of the graph is appropriate and concise	6	
Color	Colors are distinguishable	2	
Size	Graph size is reasonable based on the magnitude of data complexity	1	
Data Source	Data source is correctly referenced	1	

Rubric for Bar & Line Graphs

Criteria	Performance	Weight	Grade

Rubric for Bar & Line Graphs

Criteria	Performance	Weight	Grade
Choice of Graphs	Choice for graphs are correct based on the nature of the problem	40	
X and Y Axes	Data are correctly represented by X and Y axes	35	
Measures	Measures are correct and accurate	15	
Title	The tile of the graph is appropriate and concise	6	
Color	Colors are distinguishable	2	
Size	Graph size is reasonable based on the magnitude of data complexity	1	
Data Source	Data source is correctly referenced	1	