

Math Essentials 11 (Test #1 Outline - Data Graphs)

Format

Section 1: Multiple Choice (5 pts)

Section 2: Short Answer (30 pts)

Total: 35 pts

Materials - pencil, eraser, ruler, colored pencils (or shade/use designs), calculator

Topics & Should Knows

* **Bar Graphs** *

- How to read/analyze
- How to construct
 - * Title, Labels (Horizontal & Vertical), Proper Scale, Neat, Proper spacing

* **Line Graphs** *

- How to read/analyze
- How to construct
 - * Title, Labels (Horizontal & Vertical), Proper Scale, Neat, Proper spacing

* **Pie/Circle Graphs** *

- How to read/analyze
- Be able to fill in tables like you did on your assignments (Number, Fraction, %)
 - * Be able to calculate percentages for surveyed data
- How to construct
 - * Title, Labels (Horizontal & Vertical), Proper Scale, Neat, Proper spacing

* Know two ways graphs can be made to be **misleading** (be able to describe and draw)

* Know the difference between the **horizontal axis** and **vertical axis**.

* Know **line graphs** are the graph that is best suited to data expressed over a specific **period of time**.

What to Study

- All assignments
- Misleading Graphs video (shown in class)

Hints/Suggestions

- Read the directions carefully.
- Take your time.
- Use a ruler when creating graphs.
- Make sure you label your graphs! (Titles, Axes, Legend (when necessary))