

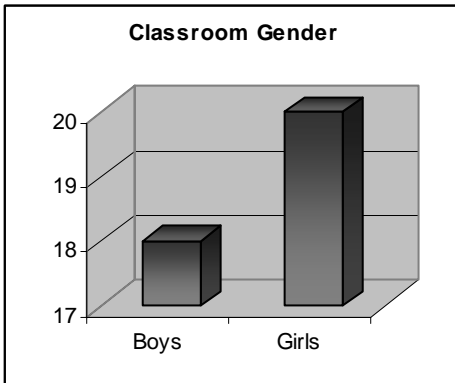
# Reteaching Page

## 6.8 Misleading Graphs

Because graphs are visual they are often used to quickly assess data and make a decision! With that in mind, sometimes graphs are made to influence you. When you look at a graph, you need to figure out if the graph is accurate or if it is misleading.

Graphs can mislead you in a number of ways. Below is a list of major things to look for.

- Using an inappropriate interval.
  - Large intervals make the data look more even
  - Small intervals demonstrate greater differences
- Using a break in the scale.
  - A graph that starts at 50 can use a smaller interval to make the differences look greater
- Bars that are not lined up correctly.
- Time or categories are not in the logical order.



**Take a look at the graph on the left.**

This graph makes it appear as though there are twice as many girls in the class as boys.

1. How many girls are in the class? \_\_\_\_\_
2. How many boys are in the class? \_\_\_\_\_
3. Are there twice as many girls as boys? \_\_\_\_\_

1. What type of trend does the graph on the right appear to show?
  - a. increasing trend
  - b. decreasing trend
2. What has this student done to make his parents think he is trying hard in school?

---



---



---



---



---

