



2. When choosing a measure of center, sometimes the mean is the largest number, sometimes the median is the largest, and sometimes the mode is the largest.
 - a. Find a small set of data for which $\text{mean} < \text{median} < \text{mode}$.
 - b. Find a small set of data for which $\text{mean} < \text{mode} < \text{median}$.
 - c. Find a small set of data for which $\text{median} < \text{mean} < \text{mode}$.
 - d. Find a small set of data for which $\text{median} < \text{mode} < \text{mean}$.
 - e. Find a small set of data for which $\text{mode} < \text{median} < \text{mean}$.
 - f. Find a small set of data for which $\text{mode} < \text{mean} < \text{median}$.

3. A new bakery, called Scratch, recently opened. The second month's revenues have increased by 400% from the first month (from \$4,000 to \$20,000). The third month is forecasted to be another increase but only an increase of 100%. Should the bakery be worried about this smaller increase?

4. Below are the mean ACT scores for New High School's graduating classes from 2000-2009. The corresponding data is on the right as well. Answer the questions using the graph and the given data.

ACT Composite Scores for New High School

	Year	ACT_coÉ	<new
1	2000	20.5	
2	2001	20.3	
3	2002	21.0	
4	2003	21.2	
5	2004	20.8	
6	2005	21.5	
7	2006	22.0	
8	2007	20.9	
9	2008	22.2	
10	2009	22.3	



