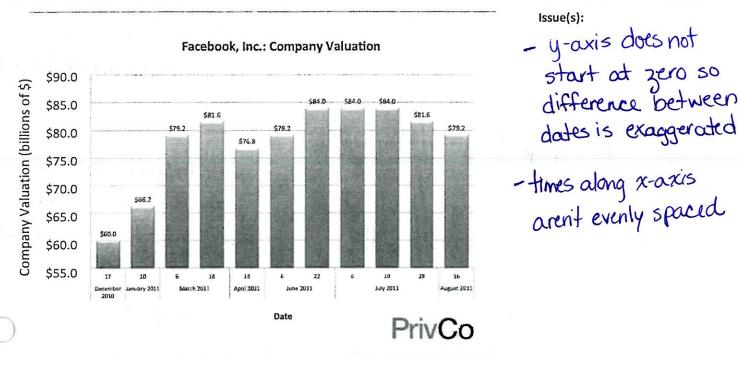
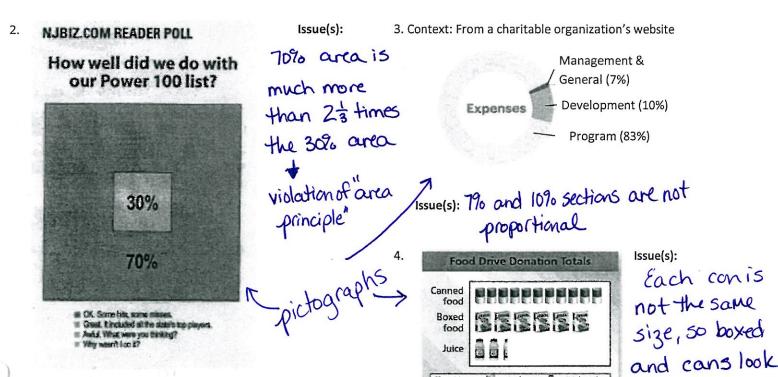
lame:			
· anic.	 	 	

Date: _____ Period:

What's wrong with these graphs?

Each of the graphs included below has at least one "issue" and sometimes multiple "issues" that lead to it being deceptive to a reader who isn't critically analyzing the information he or she is consuming. Your task is to identify at least one, and more if possible, problem with each visual display of data. Pay attention to the context of each data visualization. Some of them are interesting. ©



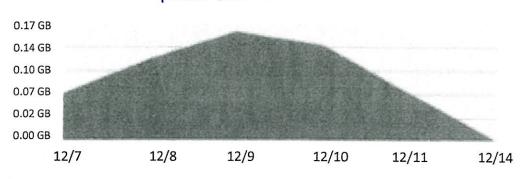


■ = 20 cans = 20 boxes = 20 bottles

close to equal

when they aren't.

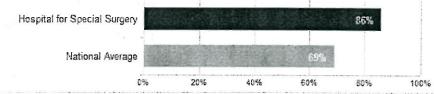
time-series



Issue(s): Skipping over the days where none is used gives an inaccurate trend interpretation.

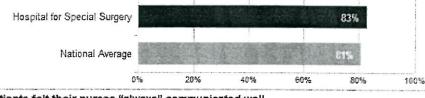
bour graph (relative frequency)



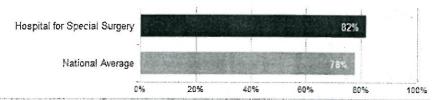


nake certain quantitres look the same (8390 and 67%)

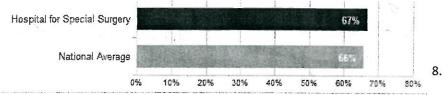
2. Patients felt their doctors "always" communicated well.



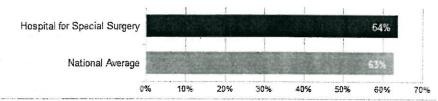
3. Patients felt their nurses "always" communicated well.



4. Patients "always" received help as soon as they wanted.

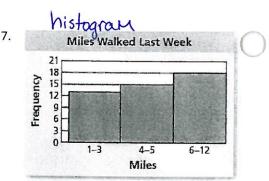


5. Patients felt the hospital staff "always" explained medicines.

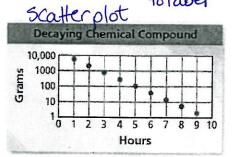


6. Patients felt their pain was "always" well controlled.





Issue(s): class widths are not equal and class boundaries weren't used tolabel



Issue(s): vertical scale incr es by powers of 10, sowhat looks linear is really exponential