

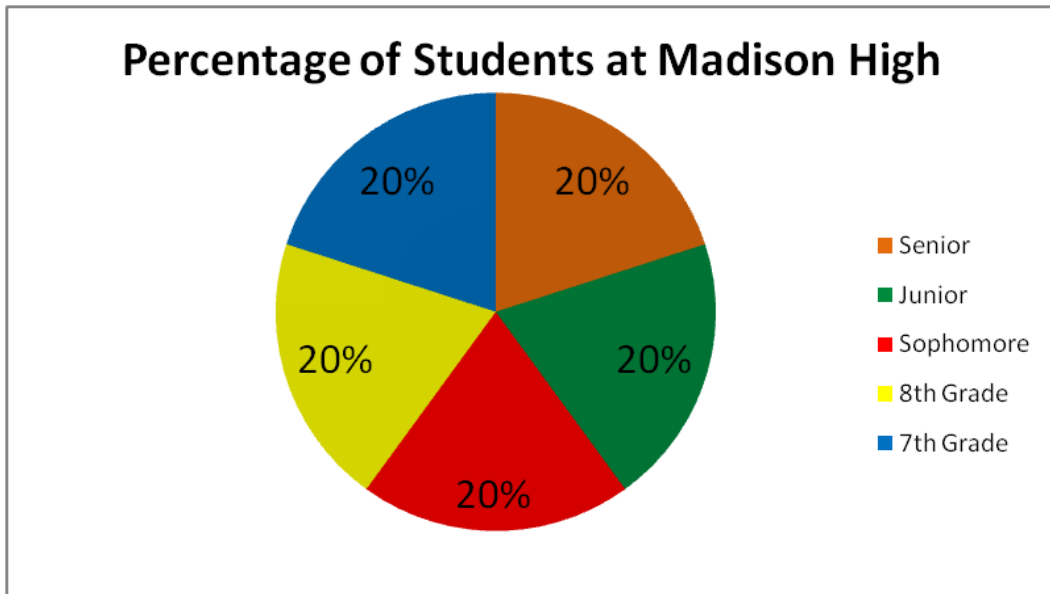
1/31/2012

- Turn in Activity 5: Finger Snapping Time Lab pp. 11-13
- Check your textbook problems assigned from Sect. 10-3A and Chap. 9 Review
- Work Review Problems 1 - 6 on Handout
- Post selected Review Problems
- "There are three kind of lies: lies, damned lies, and statistics" Benjamin Disraeli
- Notes for Section 10-4 Abuses of Statistics
- Complete Try This 10-11 on p. 660 and misleading graphs on p. 10.3

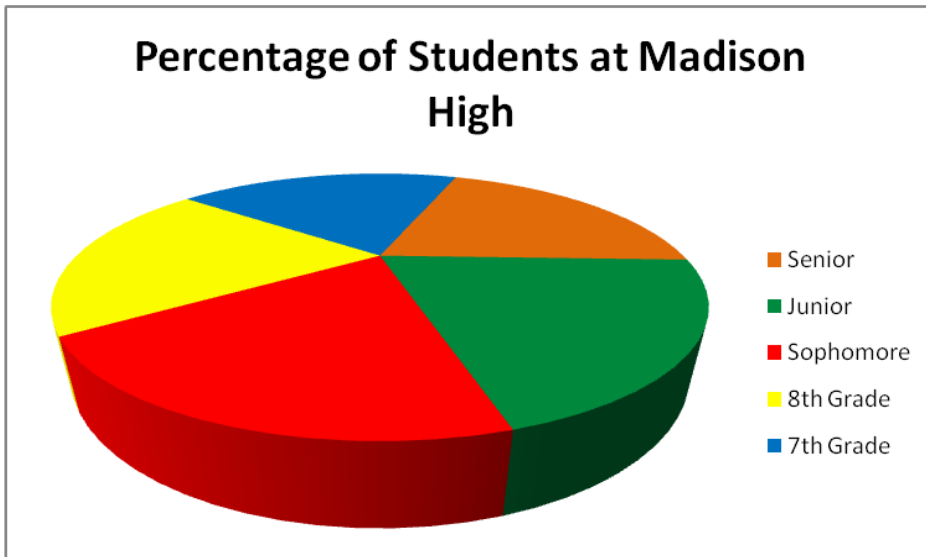
Notes Sect. 10-4 Abuses of Statistics

Same data in both graphs just a different way to display the data.

1.

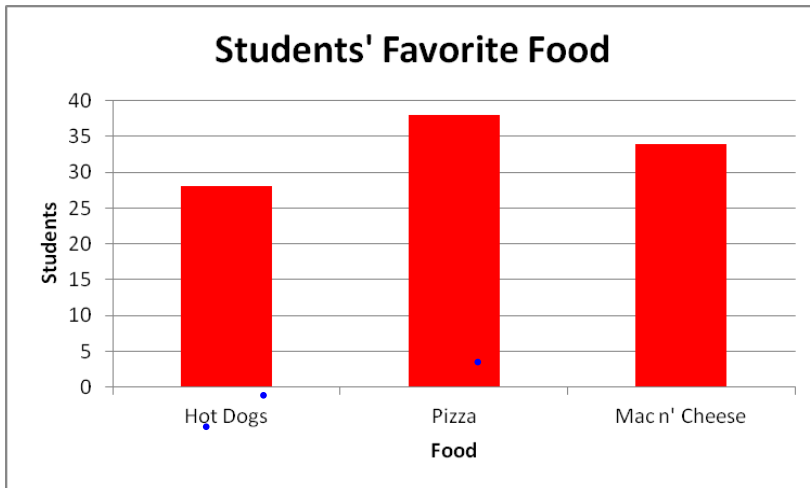


What is misleading about the this graph?

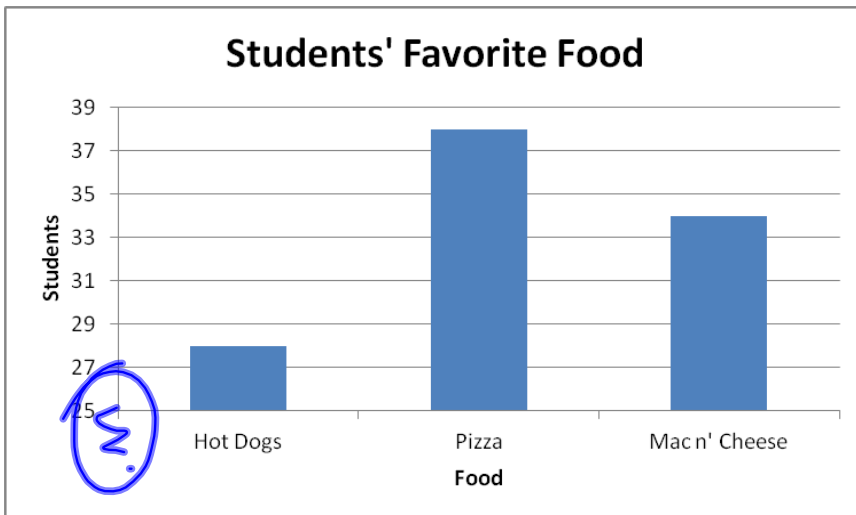


3-D
distort
sections
Labels missing
(%)

2.



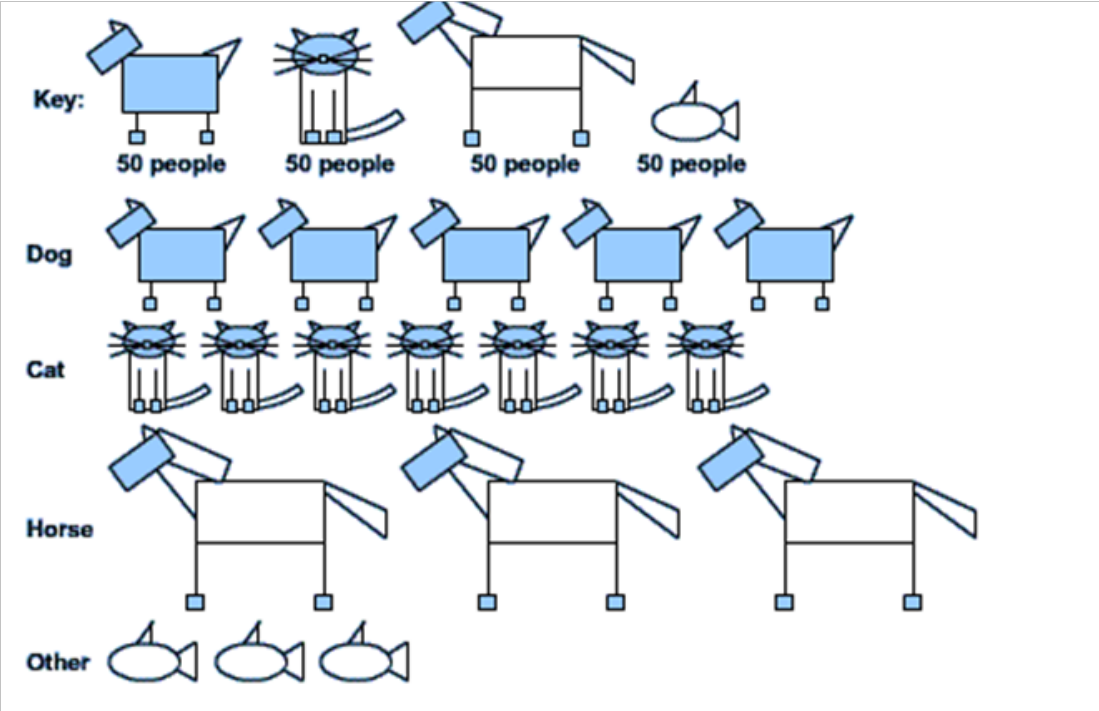
What is misleading about the this graph?



Doesn't start
at zero
p. 661 (show cropped)

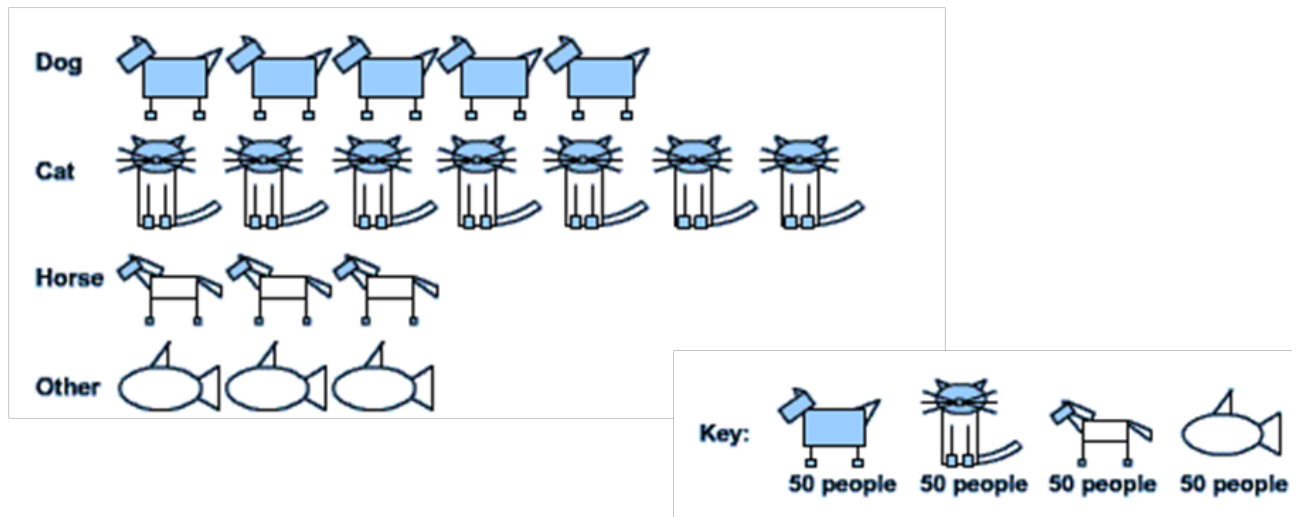
3. Correct the pictograph so that it is not misleading

Animals owned by the residents of Shady Lane, MN



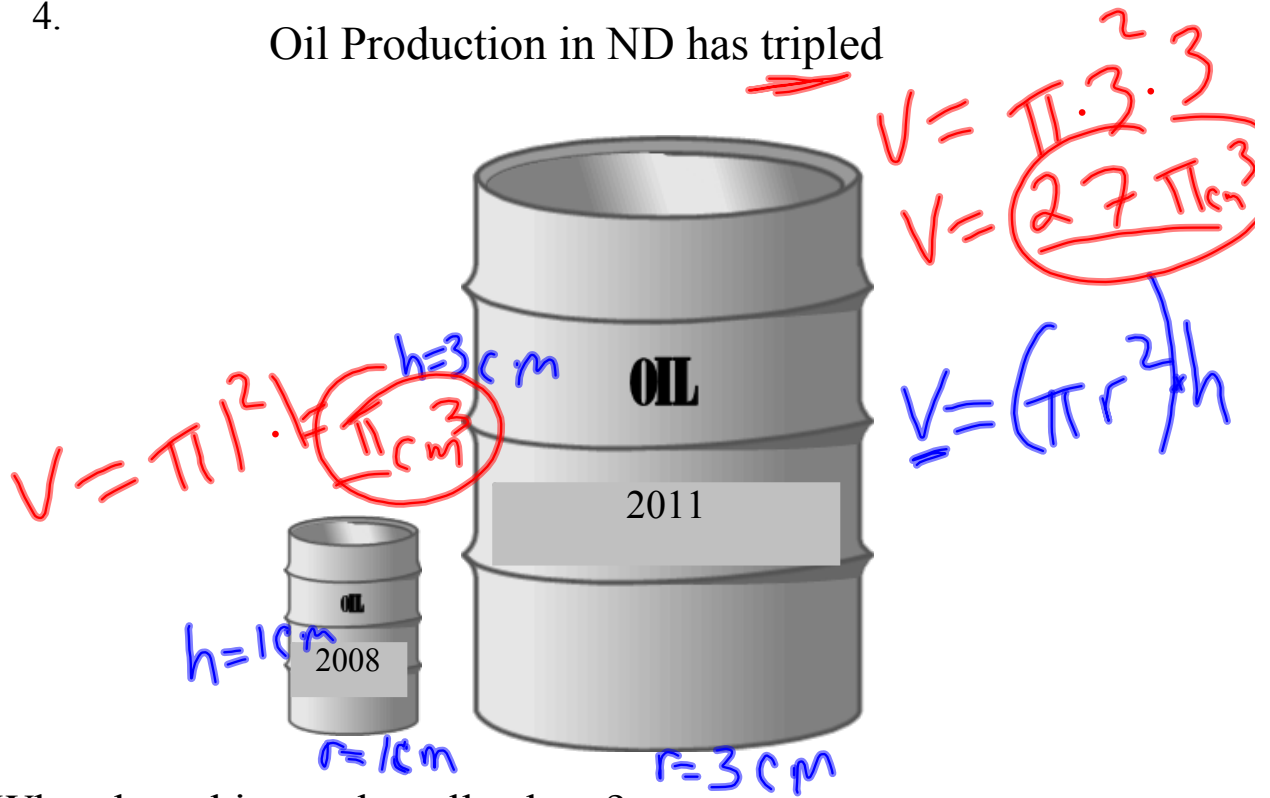
To correct the graph so it is not misleading it should be redrawn so each of the animals are the same size and aligned with one another since they are each to represent 50 people

Animals owned by the residents of Shady Lane, MN



4.

Oil Production in ND has tripled



What does this graph really show?

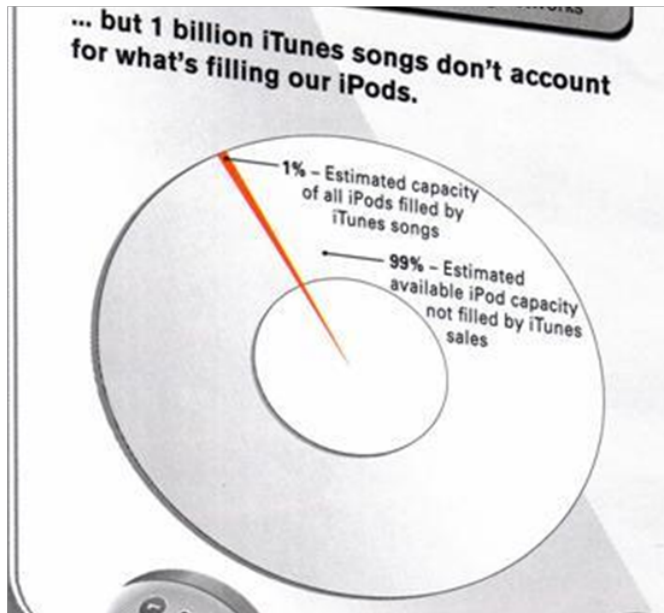
The cylinder representing 2011
is 27 times as large

5. a. What does the top of this graph show?



- About 12 million people are downloading music legally.
- Just over 9 million people are downloading music illegally.

5. b. The bottom of the graph is misleading. Why?



- The graph implies that 1% of the iPods are filled with legally downloaded music.
- It implies that the other 99% are filled with illegally downloaded music.

It is possible that the rest of the iPod contains some illegally downloaded music, but it is unlikely that 99% of a person's iPod is filled with illegal music.

Finish Try - This 10-11 on p. 660

Assignment due for Thursday:

Read pp.658-664 Complete the Vocabulary in Section 10.4

10.4A #1, 3, 7, 10 on pp. 665-666

Connections 10-4 #1, 5, NAEP questions on pp. 669-670

Chapter 10 Review #1, 5, 9, 11 on pp. 672-673

Study for test by working problems that the study guide lists that you struggle with the most.