

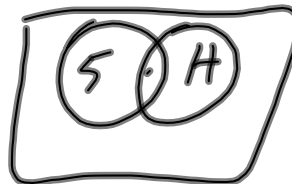
9/18/2012

- 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

Review Problems from Handout

1. a. False, $P(5 \text{ or } H) = \frac{4}{52} + \frac{13}{52} - \frac{1}{52} = \frac{16}{52}$

b. True



c. False, This data has a mean & median of 17 but the mode is not 17.

15 16 18 19

A diagram showing the numbers 15, 16, 18, and 19 arranged horizontally. Below each number is a horizontal line segment. A bracket connects the line under 15 to the line under 16. Another bracket connects the line under 16 to the line under 18. A third bracket connects the line under 18 to the line under 19. A larger bracket at the bottom connects the line under 15 to the line under 19.

Solutions to p. 2 of review handout

$$4. y = \frac{3}{20}x + 5$$

$$5. a) \frac{3}{9} = \frac{1}{3}$$

$$b) \frac{3}{4}$$

6. If you have 5 different colors the # arrangements is $5 \cdot 4 \cdot 3 \cdot 2 \cdot 1 = 5! = 120$

If three of the five are the same color then you must divide the original # of arrangements by all the ways those duplicate colors

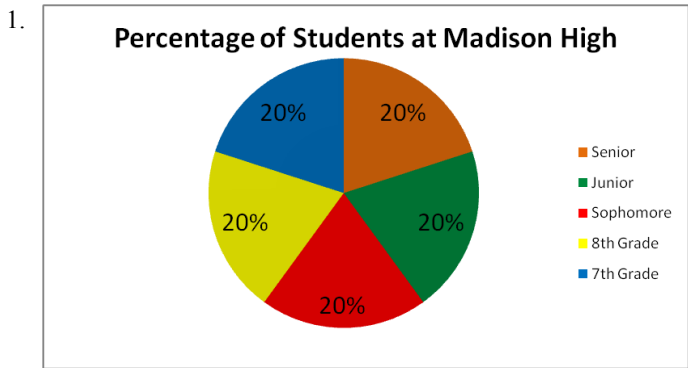
$\frac{5!}{3!} = \frac{120}{6} = 20$

Homework Due 10-3 p. 651

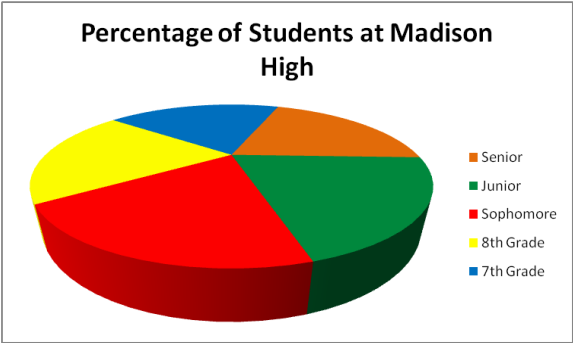
$$\#4) \frac{28 \times 80 + 60 \times 50}{30} = 78.3$$

p. 654

Notes Sect. 10-4 Abuses of Statistics
Same data in both graphs just a different way to display the data.

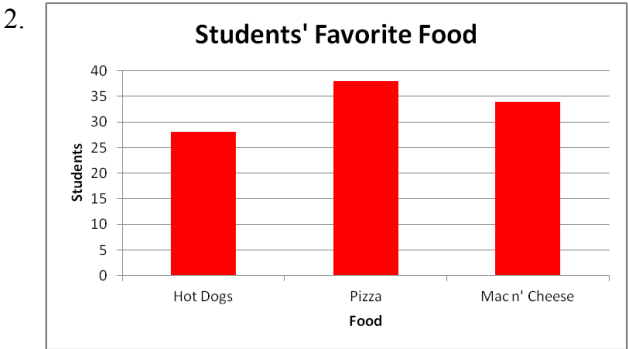
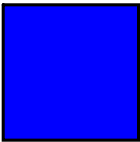


What is misleading about the this graph?

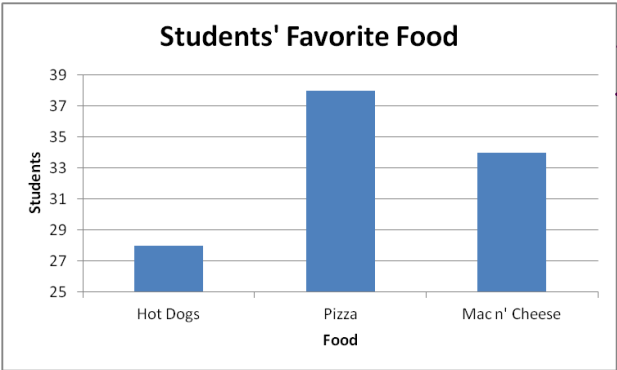


3-D graphs

are misleading
because they
distort the angle
measurements



What is misleading about the this graph?



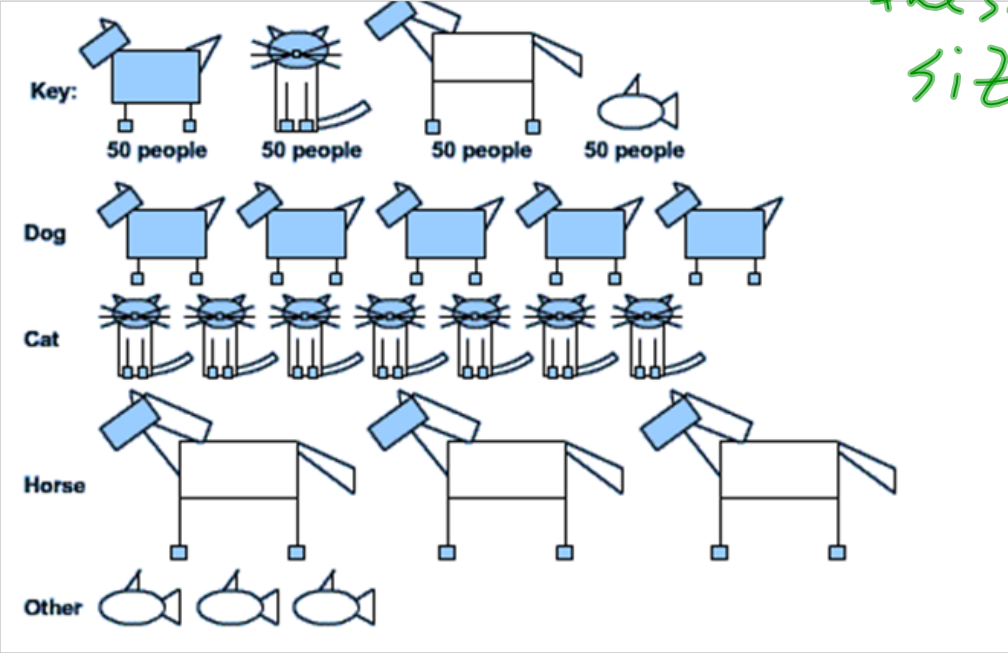
Cropping
the data

To make
it clear it
Does
not
start
at 0 use
this symbol

3. Correct the pictograph so that it is not misleading

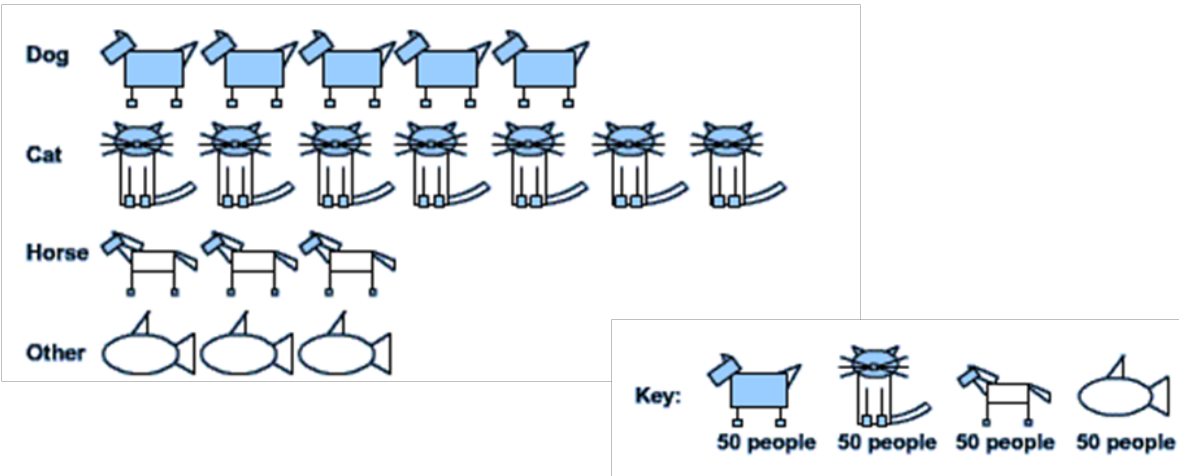
Make all the icons the same size.

Animals owned by the residents of Shady Lane, MN

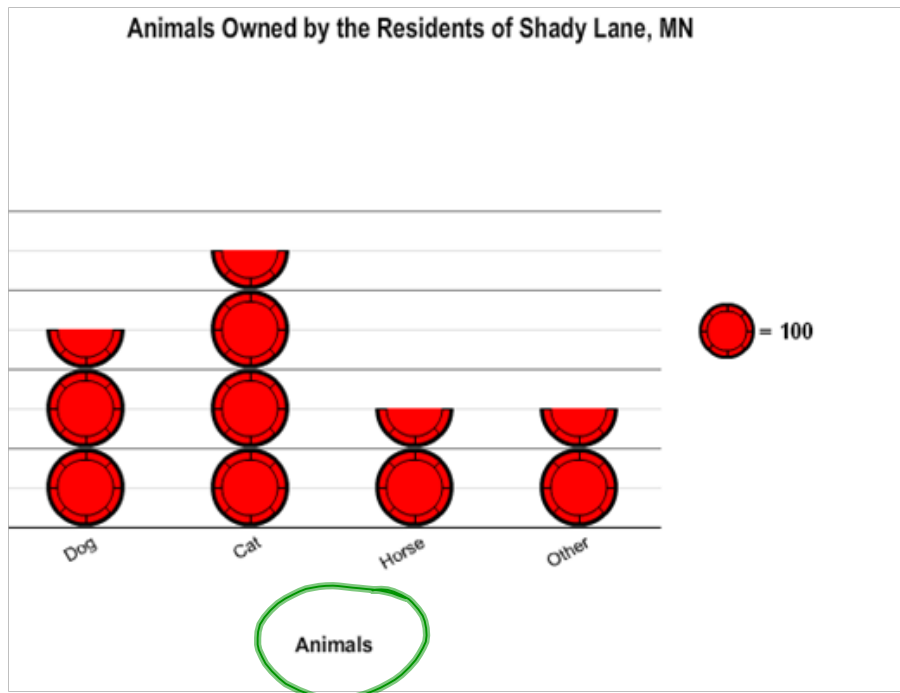


To correct the graph so it is not misleading it should be redrawn so each of the animals are the same size and aligned with one another since they are each to represent 50 people

Animals owned by the residents of Shady Lane, MN



Or another pictograph of that would not be misleading of the animals is:



4. Oil Production in ND has tripled



What does this graph really show? The amt. of oil has more than tripled as the height, width, & depth are all change so 2011 is 27 times the volume of 2008 cylinder

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 # 5, NAEP questions on pp. 669-670

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

& Misleading Graph Lab 10.3

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