May 15, 2012

Circle graphs due tomorrow... get out your notes

5/15 - Histograms

Skew Distribution   Normal Distribution   Bimodal Distribution   Flat Distribution
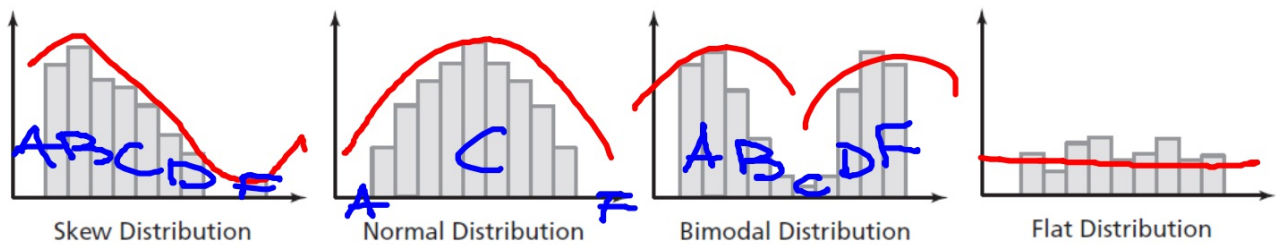
1 ACTIVITY: Analyzing Distributions

Work with a partner. The graphs (histograms) show four different types of distributions.

a. Describe a real-life example of each distribution.

b. Describe the mean, median, and mode of each distribution.
(annotations: average, most, middle)

c. In which distributions are the mean and median about equal? Explain your reasoning.

d. How did each type of distribution get its name?

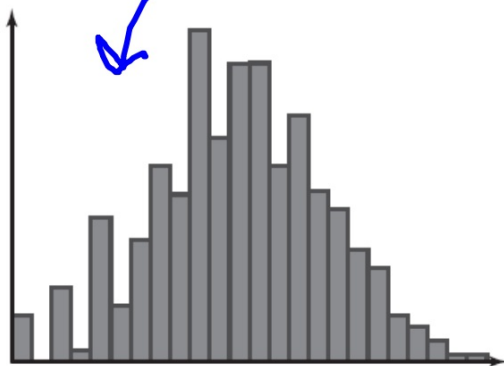**Red Journal - page 194**

Work with a partner. A survey asked 100 adult men and 100 adult women to answer the following questions.
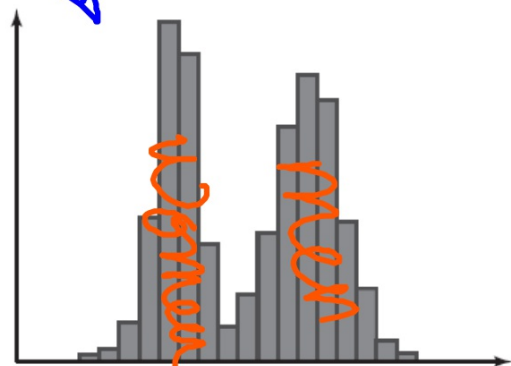
Question 1: What is your ideal weight?

Question 2: What is your ideal age?

Match the histogram to the question.

Graph for Question __2__
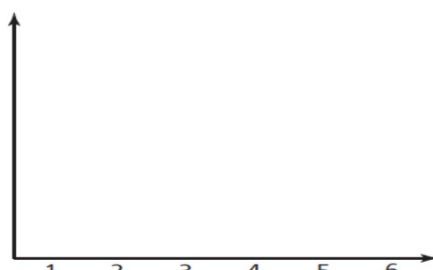
Graph for Question __1__

Why?

③ ACTIVITY: Conducting Experiments

Work with a partner. Conduct two experiments. Make a frequency table and a histogram for each experiment. Compare and contrast the results of the two experiments.

a. Toss *one* number cube 36 times. Record the numbers.

Frequency Table

Histogram

b. Toss *two* number cubes 36 times. Record the sums of the two numbers.

Frequency Table

Histogram

Homework

8.2 Practice
For use after Lesson 8.2

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Due *Wednesday*